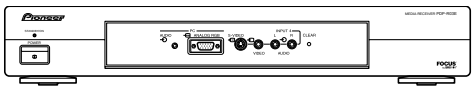
Pioneer sound.vision.soul

Service Manual



ORDER NO.
ARP3110

MEDIA RECEIVER

PDP-R03E

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	Remarks
	PDP-R03E		
WYVI6	○	AC220-240V	

- **Please connect it to the PLASMA DISPLAY PDP-503PE or PDP-433PE, for adjustment and operation inspection.**

Component	System		Service Manual	Remarks
PLASMA DISPLAY SYSTEM	PDP-503HDE	PDP-433HDE	——	
PLASMA DISPLAY	PDP-503PE	——	ARP3107, ARP3108	
	——	PDP-433PE	ARP3111, ARP3112	
MEDIA RECEIVER	PDP-R03E		ARP3110	This manual.

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For details, refer to "Important symbols for good services" on the next page.

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
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PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

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T – ZZK NOV. 2001 Printed in Japan

[Important symbols for good services]
In this manual, the symbols shown-below indicate that adjustments, settings or cleaning should be made securely.
When you find the procedures bearing any of the symbols, be sure to fulfill them:

1. Product safety



You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

2. Adjustments



To keep the original performances of the product, optimum adjustments or specification confirmation is indispensable. In accordance with the procedures or instructions described in this manual, adjustments should be performed.

3. Cleaning



For optical pickups, tape-deck heads, lenses and mirrors used in projection monitors, and other parts requiring cleaning, proper cleaning should be performed to restore their performances.

4. Shipping mode and shipping screws



To protect the product from damages or failures that may be caused during transit, the shipping mode should be set or the shipping screws should be installed before shipping out in accordance with this manual, if necessary.

5. Lubricants, glues, and replacement parts



Appropriately applying grease or glue can maintain the product performances. But improper lubrication or applying glue may lead to failures or troubles in the product. By following the instructions in this manual, be sure to apply the prescribed grease or glue to proper portions by the appropriate amount.For replacement parts or tools, the prescribed ones should be used.

1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 – Proposition 65

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

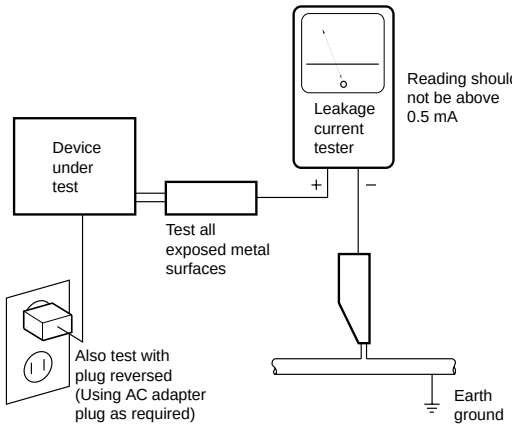
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

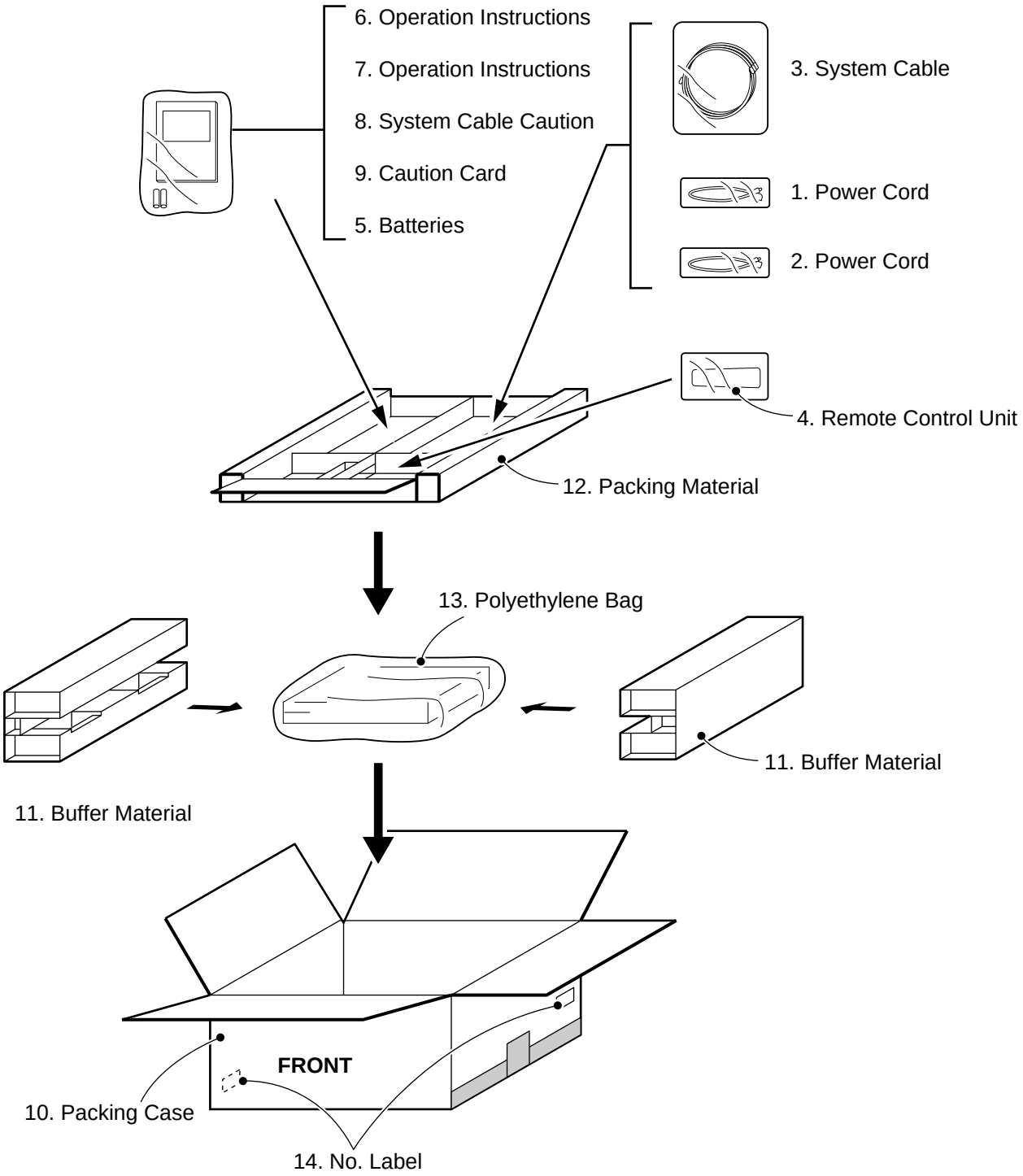
Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

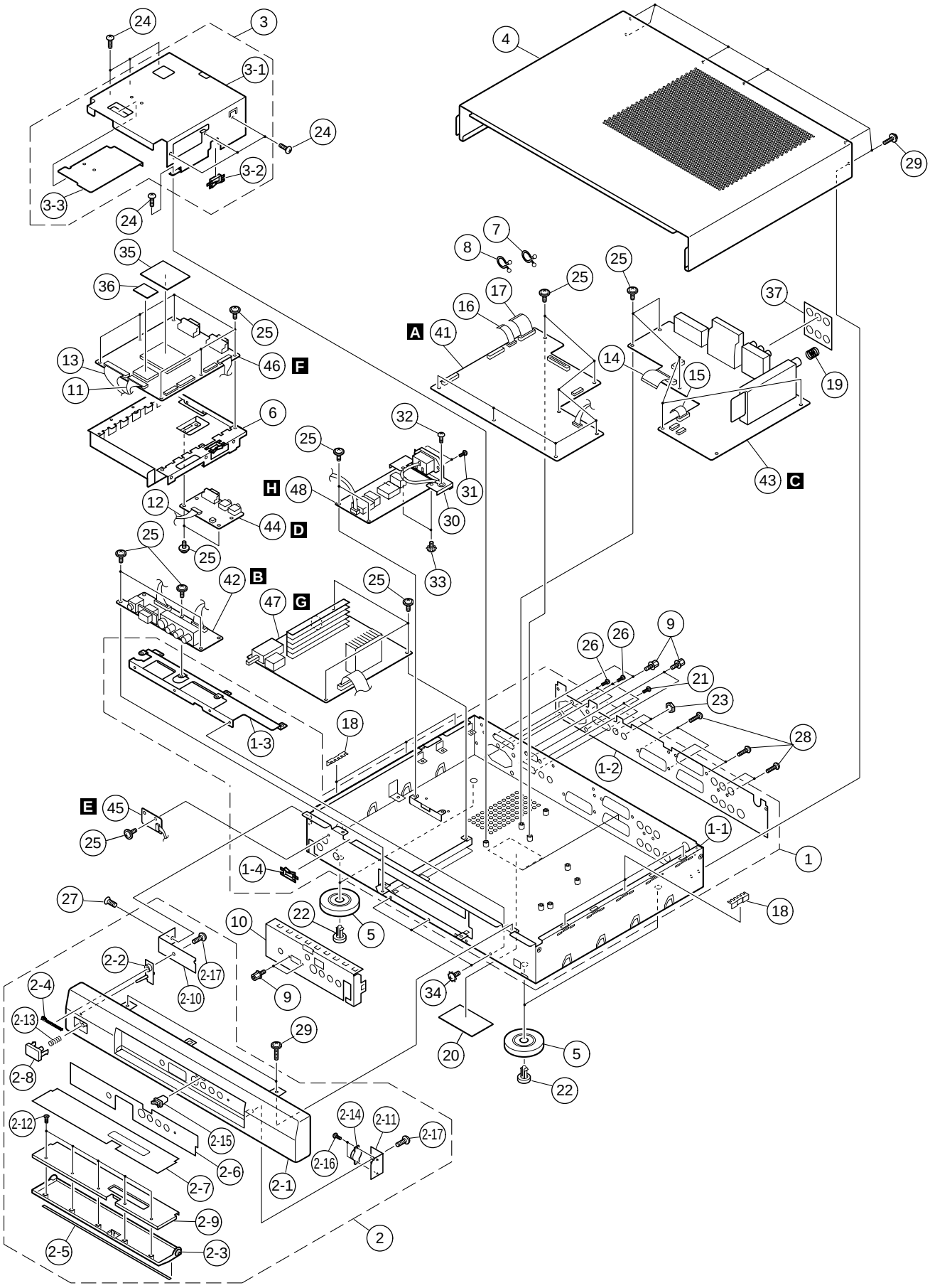
2.1 PACKING



● PACKING PARTS LIST

Mark	No.	Description	Part No.
⚠	1	Power Cord (For Europe)	QACCBA005WJZZ
⚠	2	Power Cord (For U.K.)	QACCVA002WJZZ
	3	System Cable	QCNW-6117CEZZ
	4	Remote Control Unit	RRMCG1677CESA
NSP	5	Battery (AA)	• • • • • •
	6	Operation Instructions	TINS-7495CEZZ
	7	Operation Instructions	TINS-7597CEZZ
	8	System Cable Caution	TCAUH1226CEZZ
	9	Caution Card	TCAUH1230CEZZ
	10	Packing Case	SPAKC5584CEZZ
	11	Buffer Material	SPAKX2077CEZZ
	12	Packing Material	SPAKF0515CEZZ
	13	Polyethylene Bag	SSAKH0173CEZZ
	14	No. Label	TLABK0016CEZZ

2.2 EXTERIOR SECTION



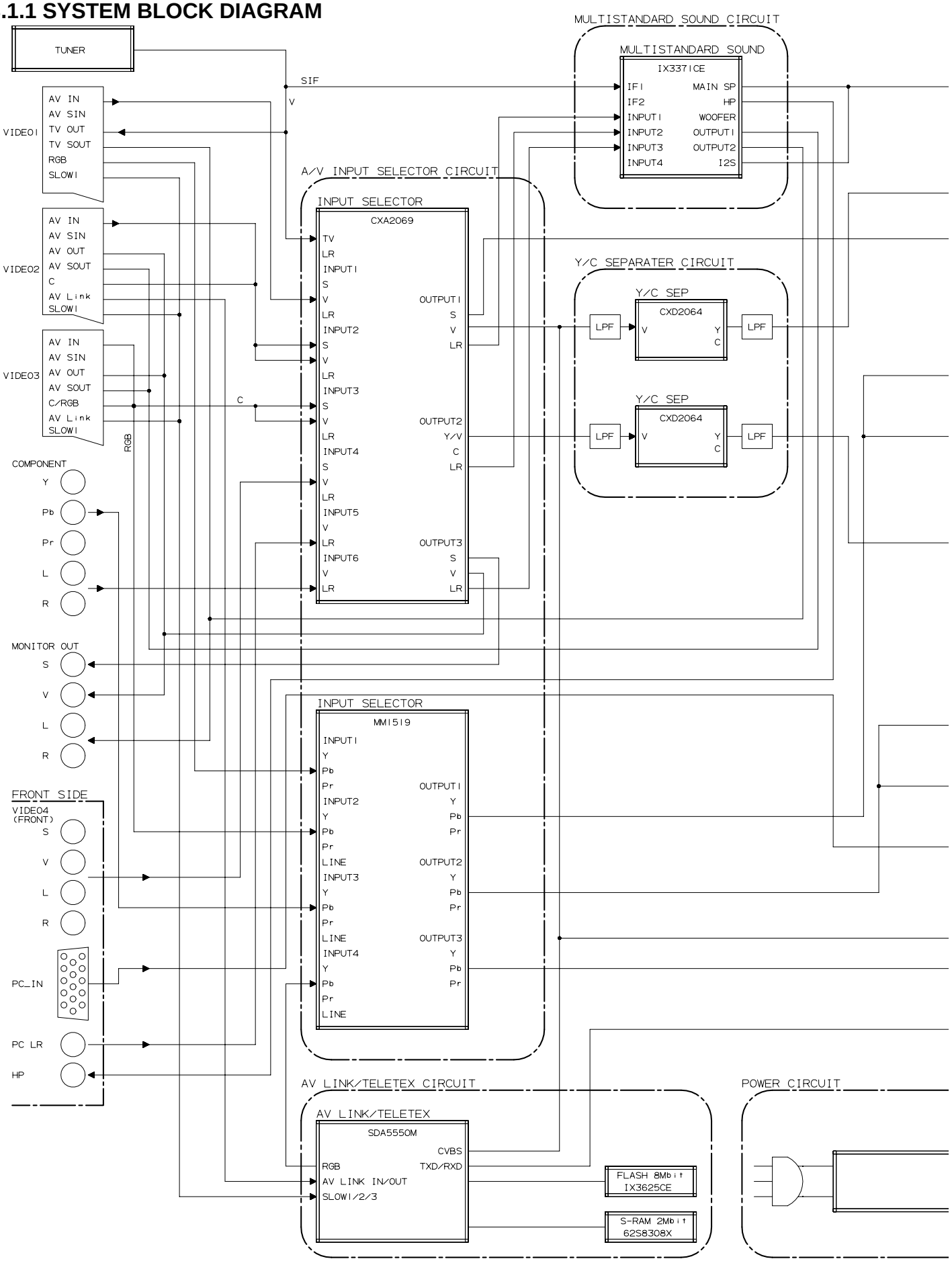
● EXTERIOR SECTION PARTS LIST

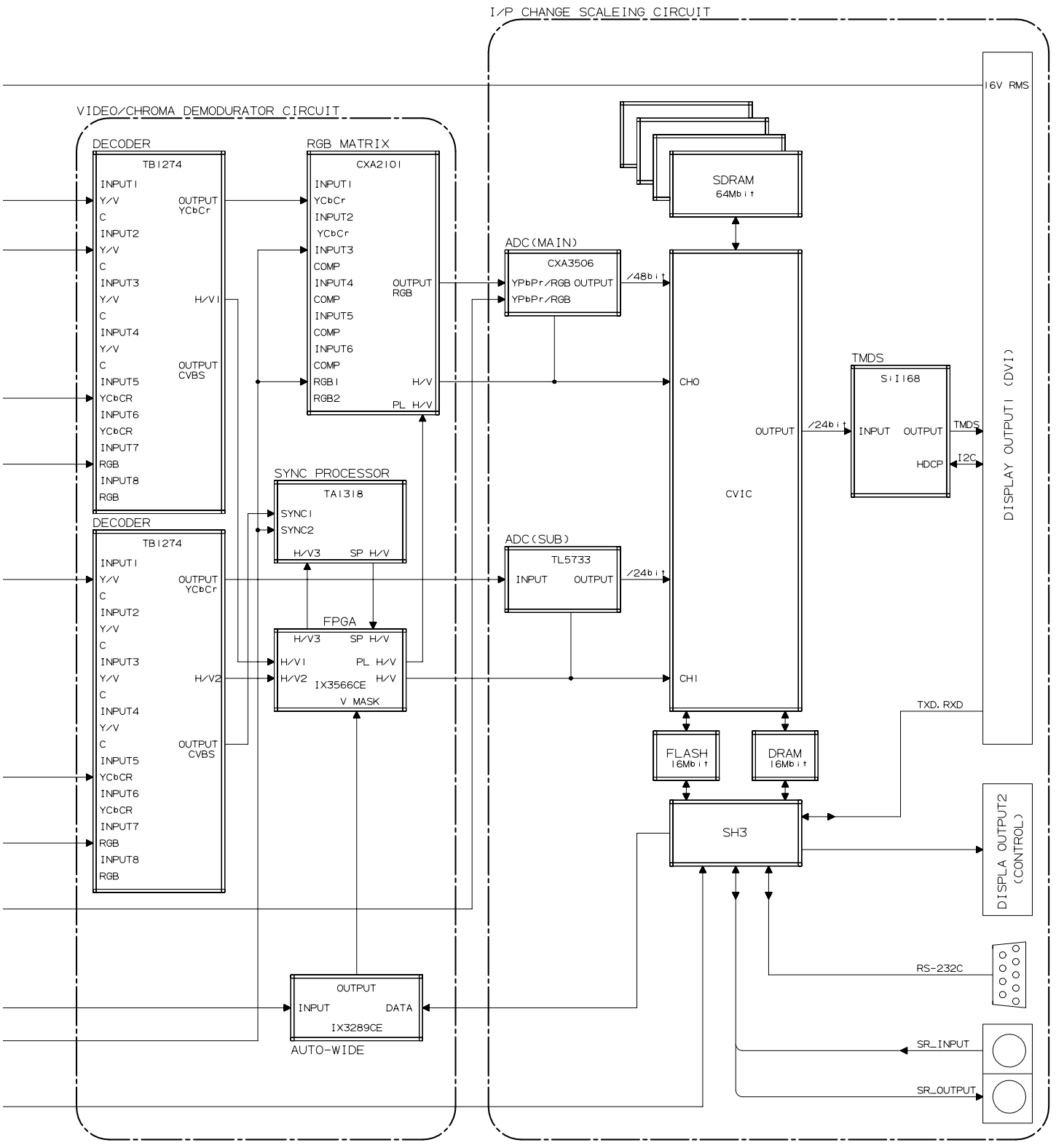
Mark	No.	Description	Part No.
NSP	1	Bottom Cabinet Assy.	• • • • • •
NSP	1-1	Bottom Cabinet	• • • • • •
	1-2	Indicator	HINDP5955CESA
NSP	1-3	Fixing Metal	• • • • • •
	1-4	Wire Holder	LHLDW1021GE00
	2	Front Panel Assy.	CWAKP1467CE01
NSP	2-1	Front Panel	• • • • • •
	2-2	LED Cover	GCOVA2015CEKA
	2-3	Door	GDORF3026CEKA
NSP	2-4	Pioneer Badge	• • • • • •
	2-5	Decoration Plate	HDECP0171CESA
	2-6	Control Indicator	HINDP5840CESA
	2-7	Door Indicator	HINDP5852CESA
	2-8	Power Button	JBTN-2073CEKA
NSP	2-9	Fixing Metal(Door)	• • • • • •
NSP	2-10	Fixing Metal	• • • • • •
NSP	2-11	Fixing Metal(Damper)	• • • • • •
	2-12	Screw	LX-HZ3111CEFN
	2-13	Spring	MSPRC0061CEFW
	2-14	Damper	PDMPF1009CEZZ
	2-15	Ratch	PKAI-0004GEZZ
	2-16	Screw	XBPSD20P05000
	2-17	Screw	XEBSD30P08000
NSP	3	Shield Assy	• • • • • •
NSP	3-1	Shield	• • • • • •
	3-2	Wire Holder	LHLDW1021GE00
	3-3	Heat Sink	PRDAR1567CEFW
	3-4	Spacer	PSPAH0720CEZZ
	4	Top Cabinet	GCABB3078CESA
	5	Leg	GLEGP9133CESA
NSP	6	Fixing Metal	• • • • • •
	7	Holder	LHLDW1009CEZZ
	8	Holder	LHLDW1060CEZZ
	9	Shaft	NSFTZ0134CEFW
NSP	10	Shield	• • • • • •
	11	Connecting Cord (Front-PC Boad)	QCNW-6074CEZZ
	12	Connecting Cord (SR-PC Boad)	QCNW-6078CEZZ
	13	Connecting Cord (main-PC Boad)	QCNW-6080CEZZ
	14	FFC (Main-AV)	QCNW-6081CEZZ
	15	FFC (Main-AV)	QCNW-6082CEZZ
	16	FFC (Main-PB_BD))	QCNW-6083CEZZ
	17	FFC (Main-PB_BD))	QCNW-6084CEZZ
NSP	18	Ground-Part (Cabi)	• • • • • •
NSP	19	Ground-Part (Tuner)	• • • • • •
	20	No. Label	TLABN0382CEZZ
	21	Screw	LX-BZ3434CEFN
	22	Screw	LX-LZ1005AEZZ
	23	Nut	LX-NZ3182CEFN
	24	Screw	XBBSN30P06000
	25	Screw	XBPSD30P06JS0
	26	Screw	XBPSN30P06000
	27	Screw	XBSSD30P06000
	28	Screw	XEBSF30P08000
	29	Screw	XJPSN30P08XS0
NSP	30	AC Inlet Angle	LANGK3000SNEZ
NSP	31	Screw	XBSSF30P06000
NSP	32	Screw	XBPBN40P06K00
NSP	33	Screw	LX-BZ1001SNEZ
NSP	34	Screw	XBPSD30P6R00
NSP	35	Cooling Sheet	PSPAZ0464CEKZ
NSP	36	Cooling Sheet	PSPAZ0465CEKZ
NSP	37	RCA Shield	PSLDM4715CEFW
	38	• • • • • •	
	39	• • • • • •	
	40	• • • • • •	
	41	MAIN UNIT	DUNTKA535FE01
	42	FRONT UNIT	DUNTKA536DE01
	43	AV UNIT	DUNTKA537DE01
	44	SR CONNECT UNIT	DUNTKA594DE01
	45	LED UNIT	DUNTKA649DE01
	46	PC I/F UNIT	CPCI-0056CE11
	47	POWER UNIT	RDENC0331CEZZ
	48	EMC UNIT	RDENCA006WJZZ

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

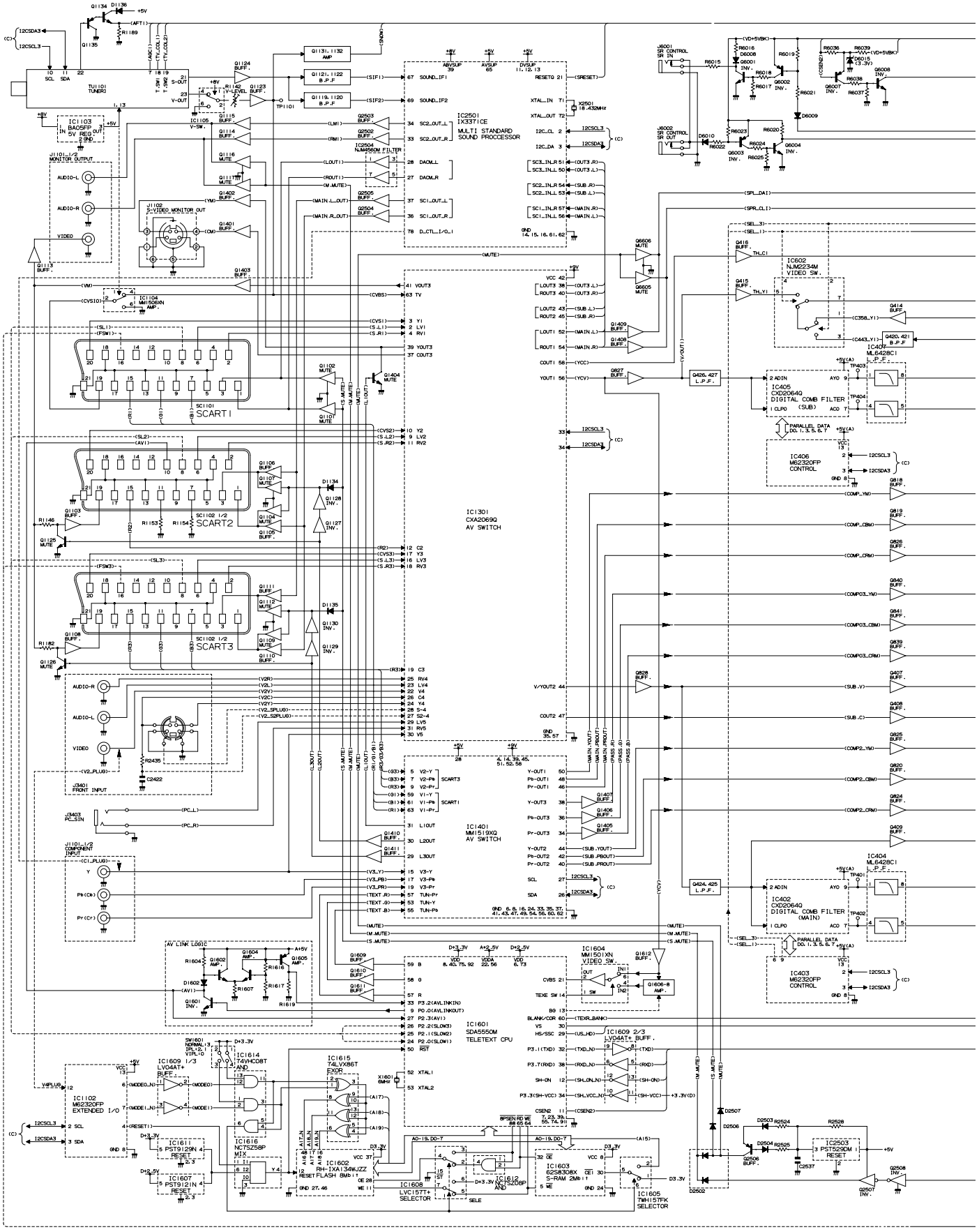
3.1 BLOCK DIAGRAM

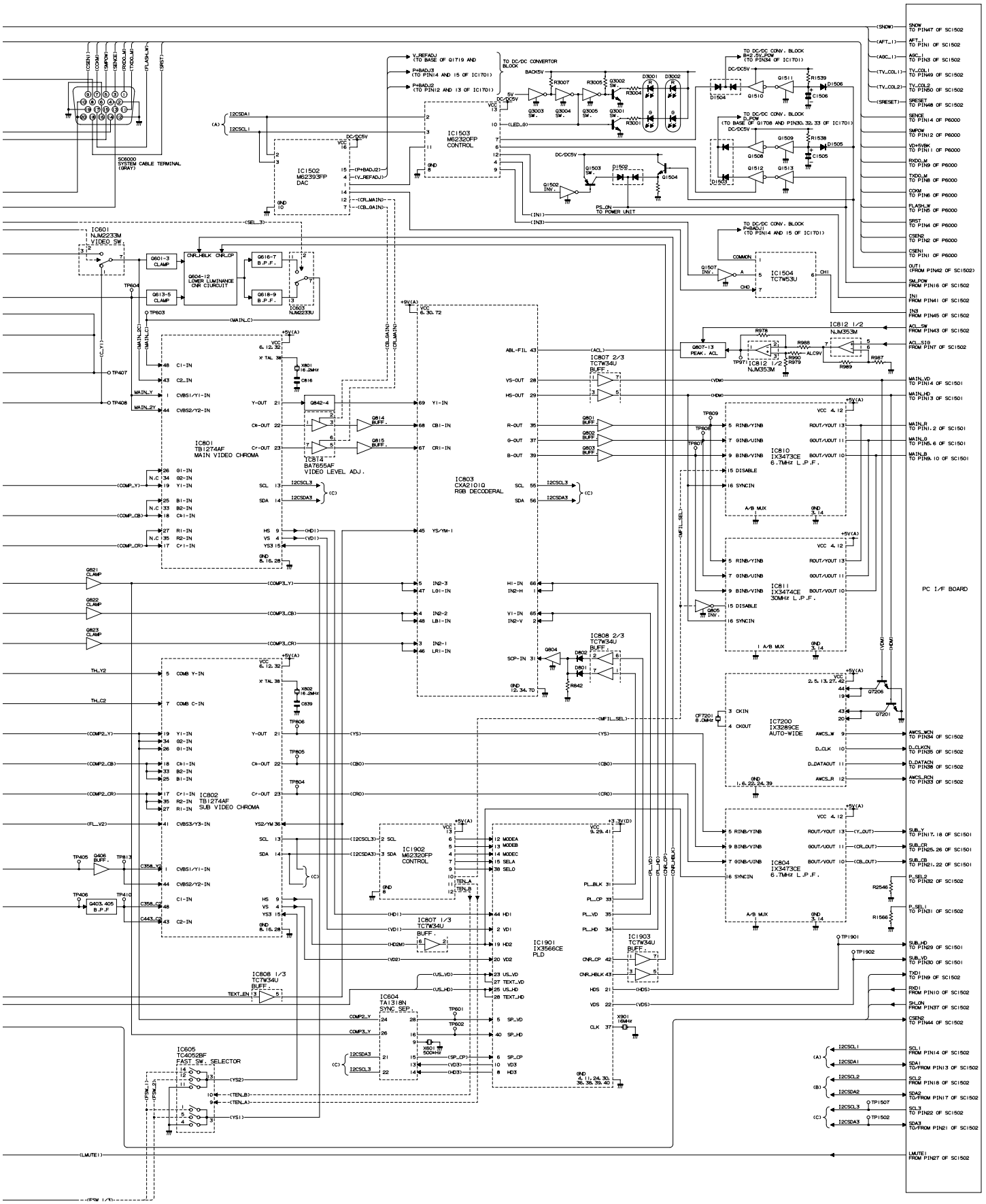
3.1.1 SYSTEM BLOCK DIAGRAM



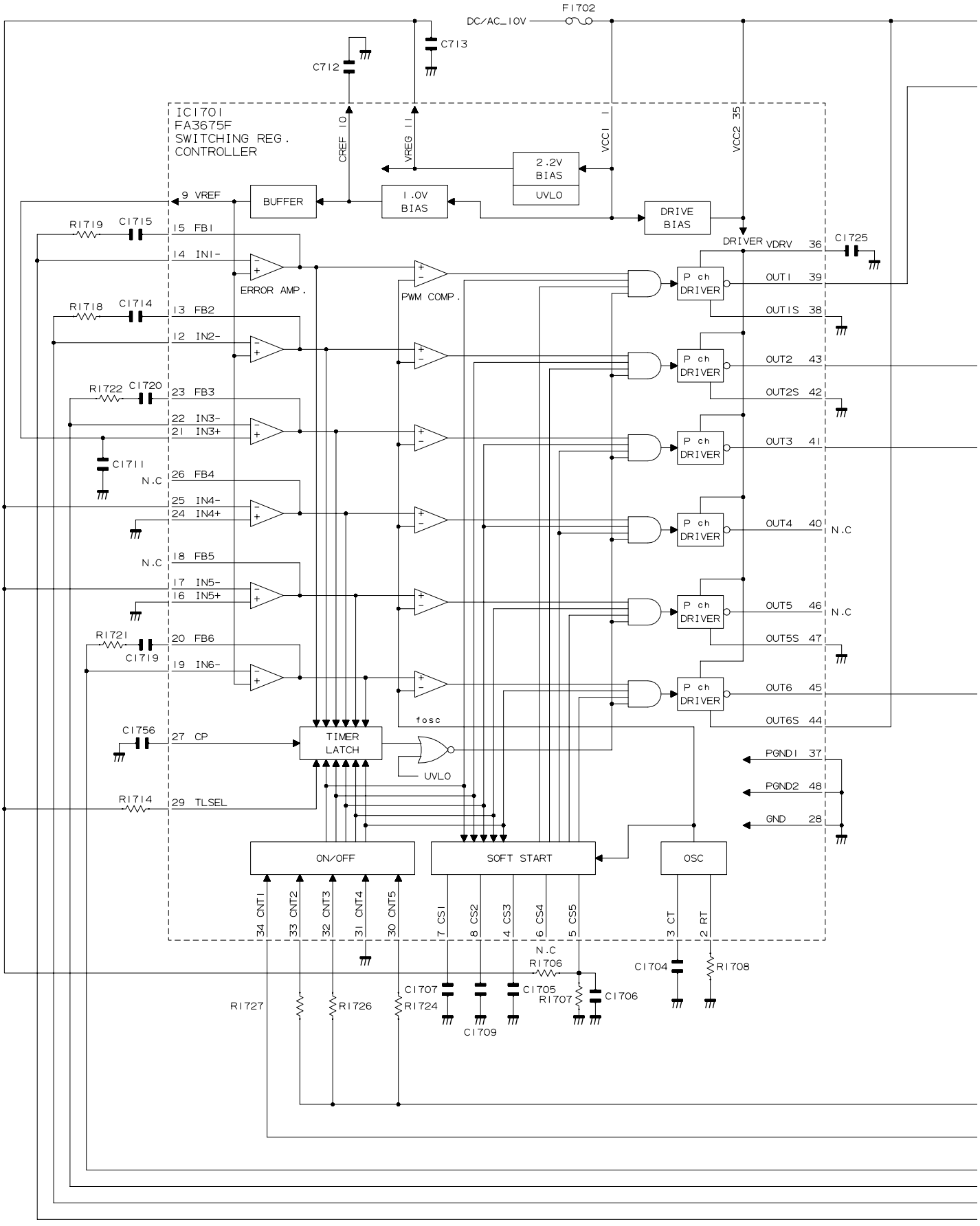

I/P CHANGE SCALEING CIRCUIT
16V RMS
VIDEO/CHROMA DEMODURATOR CIRCUIT
DECODER
TB1274
INPUT1
Y/V
C
INPUT2
Y/V
C
INPUT3
Y/V
C
INPUT4
Y/V
C
INPUT5
YCbCR
INPUT6
YCbCR
INPUT7
RGB
INPUT8
RGB
OUTPUT YCbCr
H/V1
OUTPUT CVBS
RGB MATRIX
CXA2101
INPUT1
YCbCr
INPUT2
YCbCr
INPUT3
COMP
INPUT4
COMP
INPUT5
COMP
INPUT6
COMP
RGB1
RGB2
OUTPUT RGB
H/V
PL H/V
SDRAM
64Mbit
ADC(MAIN)
CXA3506
YPbPr/RGB OUTPUT
YPbPr/RGB
/48bit
CH0
OUTPUT
/24bit
TMDS
Si1168
INPUT
OUTPUT
TMDS
HDCP
I2C
DISPLAY OUTPUT1 (DVI)
CVIC
SYNC PROCESSOR
TA1318
SYNC1
SYNC2
H/V3
SP H/V
DECODER
TB1274
INPUT1
Y/V
C
INPUT2
Y/V
C
INPUT3
Y/V
C
INPUT4
Y/V
C
INPUT5
YCbCR
INPUT6
YCbCR
INPUT7
RGB
INPUT8
RGB
OUTPUT YCbCr
H/V2
OUTPUT CVBS
ADC(SUB)
TL5733
INPUT
OUTPUT
/24bit
CH1
FPGA
H/V3
SP H/V
H/V1
PL H/V
H/V2
H/V
IX3566CE
V MASK
TXD, RXD
FLASH
16Mbit
DRAM
16Mbit
SH3
DISPLA OUTPUT2
(CONTROL)
RS-232C
OUTPUT
INPUT
DATA
IX3289CE
AUTO-WIDE
SR_INPUT
SR_OUTPUT
POWER UNIT
PS ON
M5V
M10V
DC/DC CONVERTOR
P+BADJ1-4
+2.5VCV
+3.3V(D)
+5V(A)
+5V(D)
+8V
+9V(A)
+5V(A)R
-5V(A)
+35V
+12V(A)

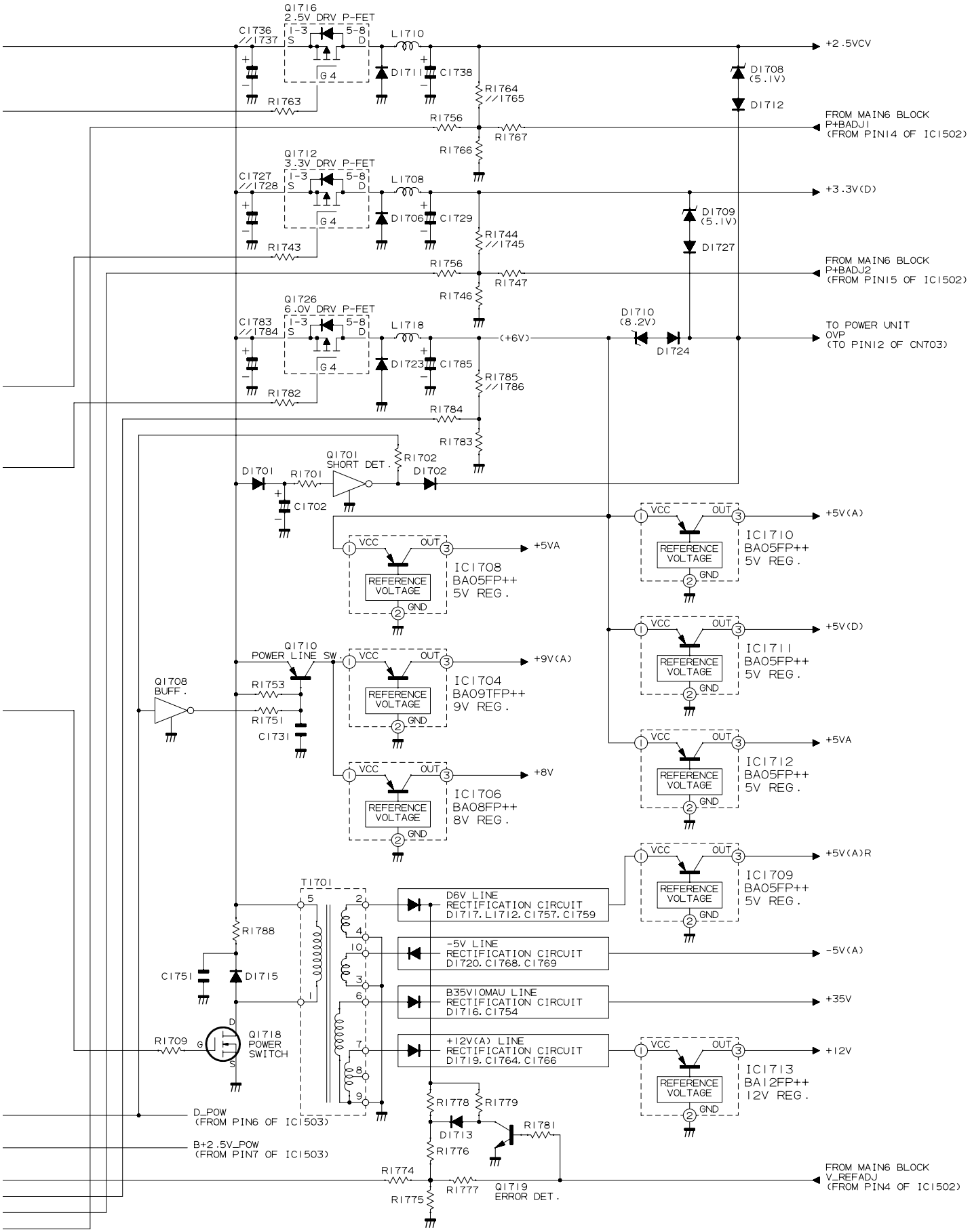
3.1.2 SIGNAL FLOW BLOCK DIAGRAM



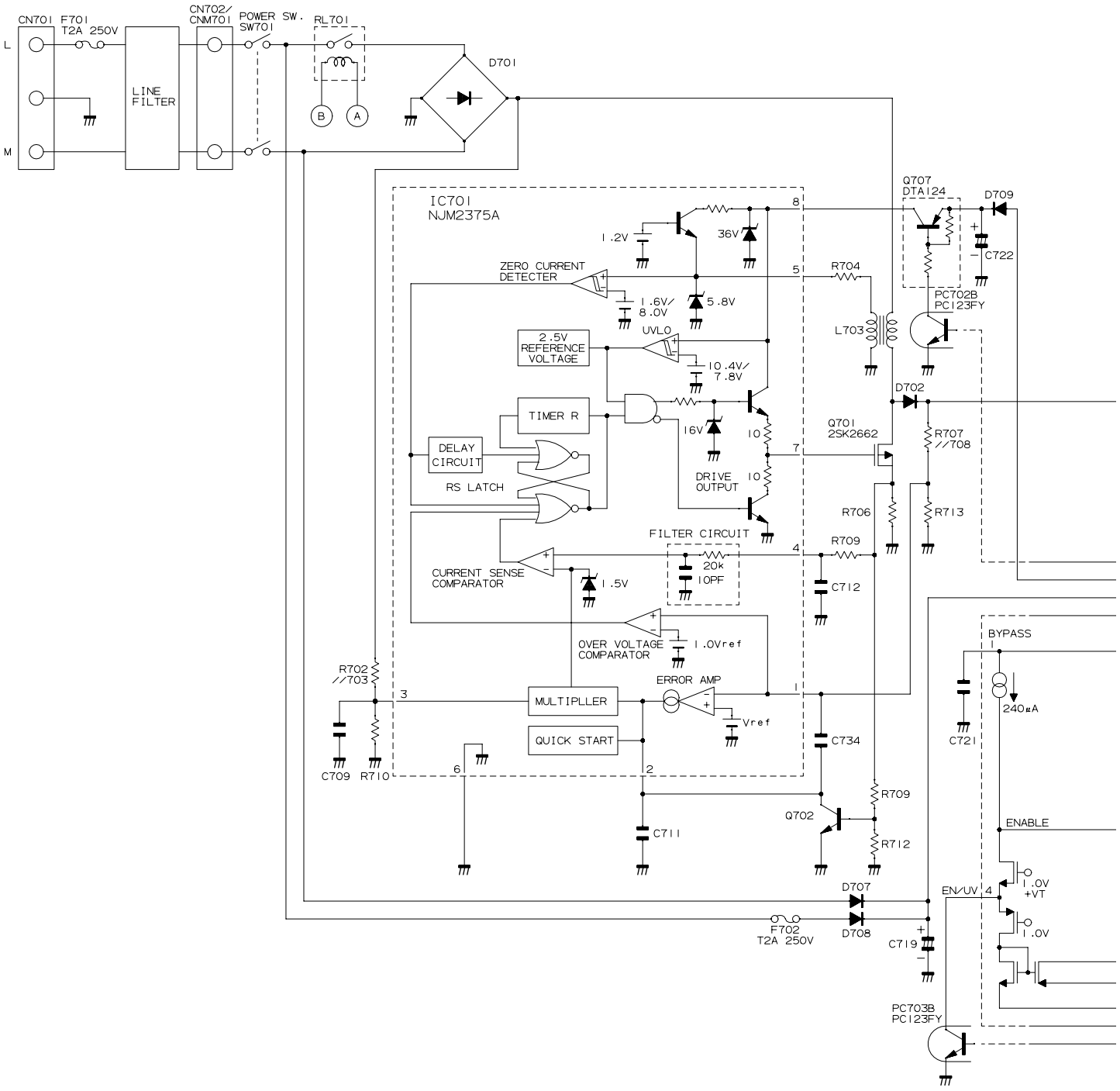

SC6000
SYSTEM CABLE TERMINAL
(GRAY)
IC1502
M62393FP
DAC
IC1503
M62320FP
CONTROL
IC601
NJM2233M
VIDEO SW.
IC603
NJM2233M
IC801
TB1274AF
MAIN VIDEO CHROMA
IC802
TB1274AF
SUB VIDEO CHROMA
IC803
CXA2101Q
RGB DECODERAL
IC804
BA7655AF
VIDEO LEVEL ADJ.
IC1902
M62320FP
CONTROL
IC1901
IX3566CE
PLD
IC1903
TC7W34U
BUFF.
IC1504
TC7W53U
IC812 1/2
NJM353M
IC810
IX3473CE
6.7MHz L.P.F.
IC811
IX3474CE
30MHz L.P.F.
IC7200
IX3289CE
AUTO-WIDE
IC604
TA1318N
SYNC. SEP.
IC605
TC4052BF
FAST SW. SELECTOR
PC I/F BOARD

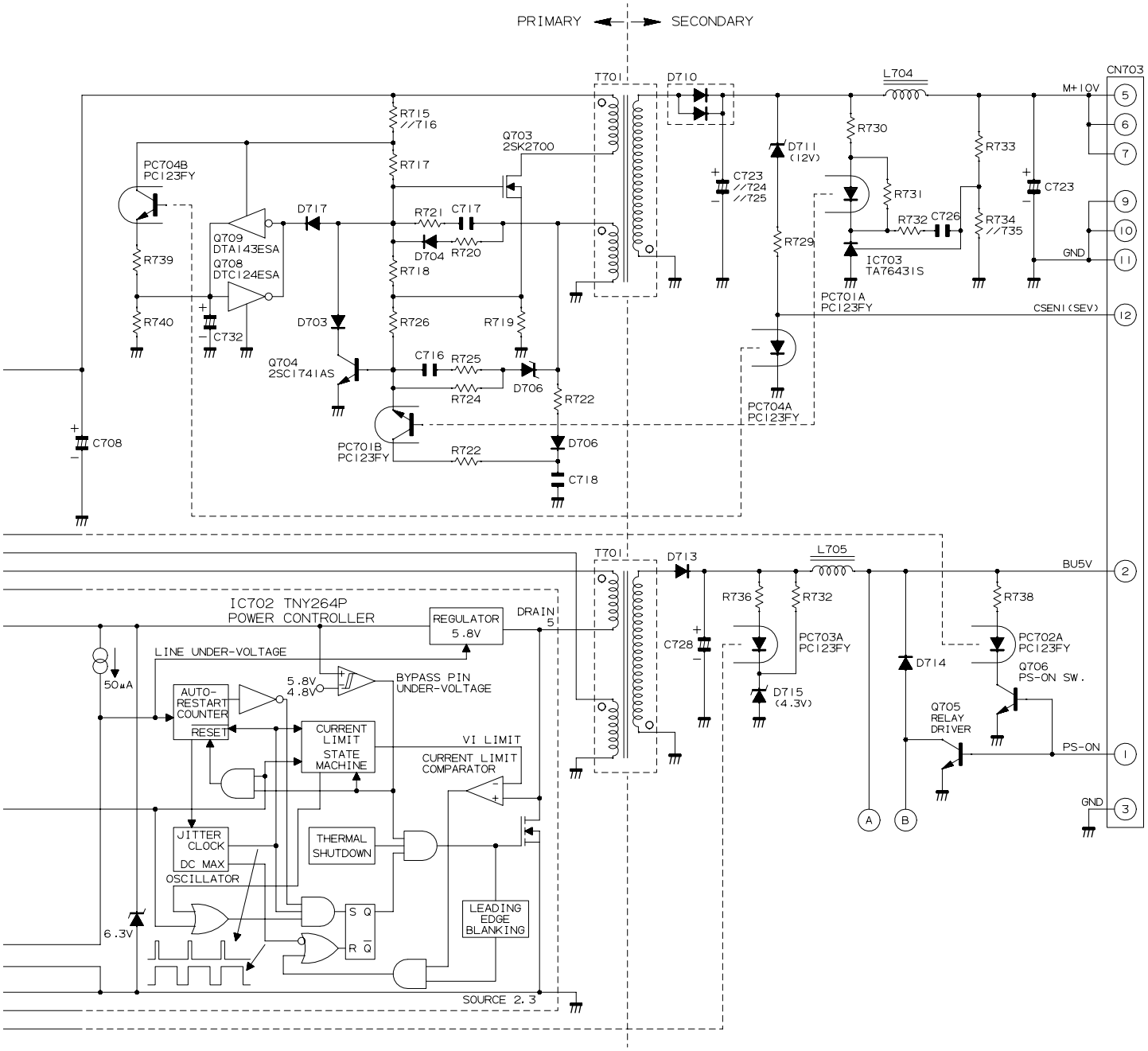
3.1.3 DC/DC CONVERTER BLOCK DIAGRAM




Q1716
2.5V DRV P-FET
C1736
//1737
1-3 S
5-8 D
G4
L1710
D1711
C1738
R1763
R1764
//1765
+2.5VCV
D1708
(5.1V)
D1712
R1756
R1767
FROM MAIN6 BLOCK
P+BADJ1
(FROM PIN14 OF IC1502)
R1766
Q1712
3.3V DRV P-FET
C1727
//1728
L1708
D1706
C1729
R1743
R1744
//1745
+3.3V(D)
D1709
(5.1V)
D1727
R1756
R1747
FROM MAIN6 BLOCK
P+BADJ2
(FROM PIN15 OF IC1502)
R1746
Q1726
6.0V DRV P-FET
C1783
//1784
L1718
D1723
C1785
R1782
R1785
//1786
(+6V)
D1710
(8.2V)
D1724
TO POWER UNIT
OVP
(TO PIN12 OF CN703)
R1784
R1783
Q1701
SHORT DET.
R1702
D1701
R1701
D1702
C1702
VCC
OUT
REFERENCE VOLTAGE
GND
IC1708
BA05FP++
5V REG.
+5VA
IC1710
BA05FP++
5V REG.
+5V(A)
IC1711
BA05FP++
5V REG.
+5V(D)
Q1710
POWER LINE SW.
Q1708
BUFF.
R1753
R1751
C1731
IC1704
BA09TFP++
9V REG.
+9V(A)
IC1712
BA05FP++
5V REG.
+5VA
IC1706
BA08FP++
8V REG.
+8V
IC1709
BA05FP++
5V REG.
+5V(A)R
T1701
D6V LINE
RECTIFICATION CIRCUIT
D1717, L1712, C1757, C1759
R1788
C1751
D1715
-5V LINE
RECTIFICATION CIRCUIT
D1720, C1768, C1769
-5V(A)
B35V10MAU LINE
RECTIFICATION CIRCUIT
D1716, C1754
+35V
R1709
Q1718
POWER
SWITCH
+12V(A) LINE
RECTIFICATION CIRCUIT
D1719, C1764, C1766
IC1713
BA12FP++
12V REG.
+12V
R1778
R1779
R1781
D1713
R1776
R1774
R1777
Q1719
ERROR DET.
R1775
D_POW
(FROM PIN6 OF IC1503)
B+2.5V_POW
(FROM PIN7 OF IC1503)
FROM MAIN6 BLOCK
V_REFADJ
(FROM PIN4 OF IC1502)

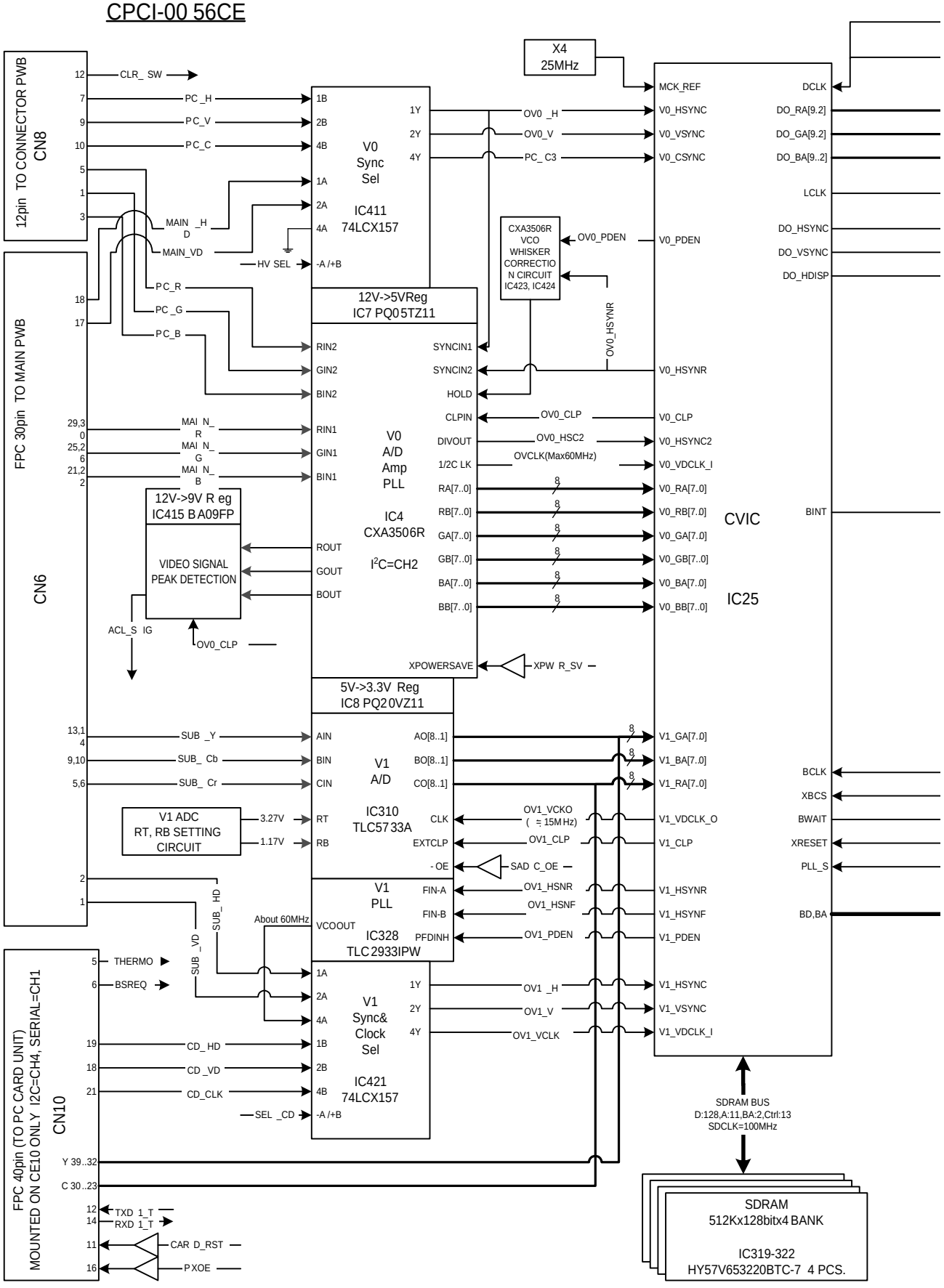
3.1.4 POWER BLOCK DIAGRAM

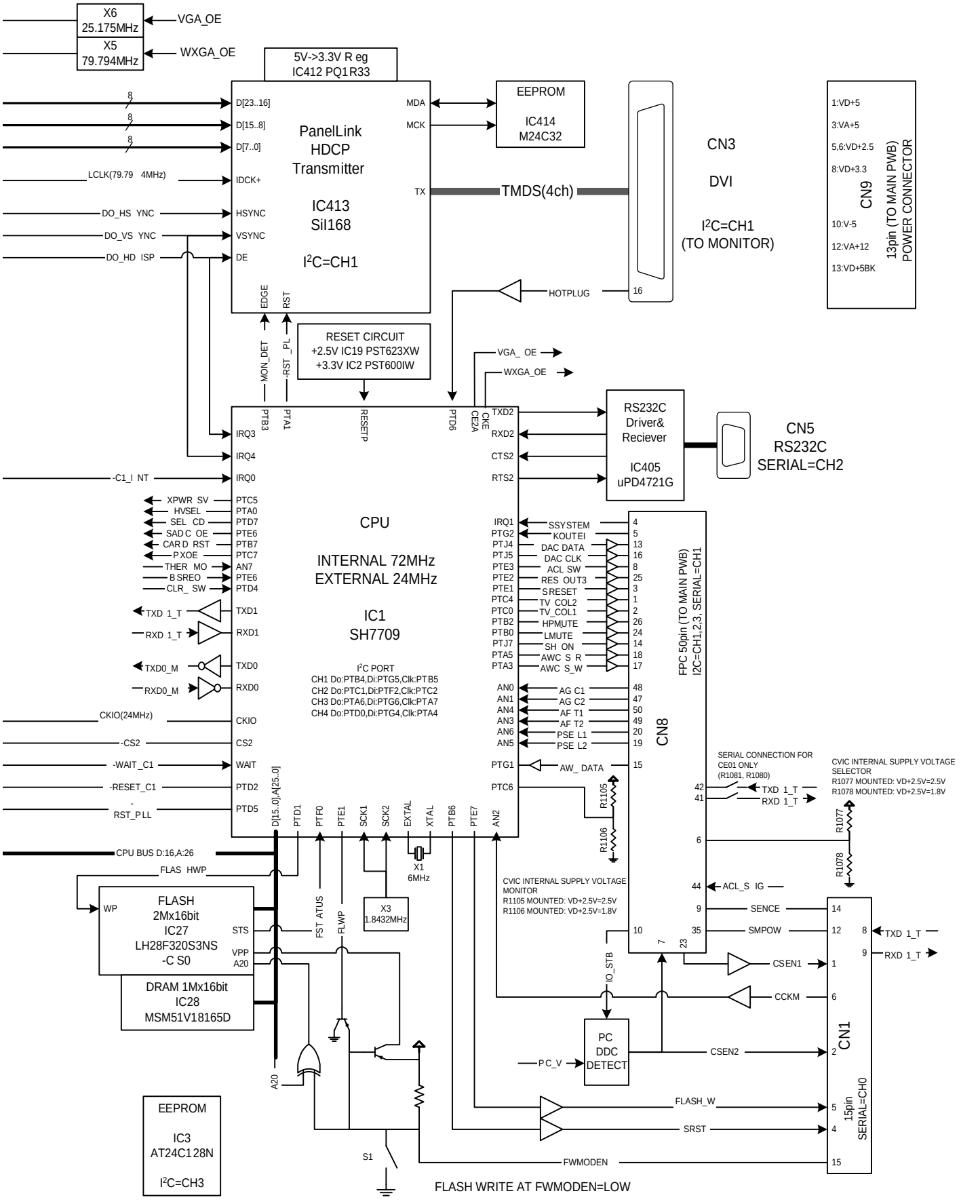



PRIMARY
SECONDARY
T701
D710
L704
CN703
M+10V
R715 //716
Q703 2SK2700
R717
PC704B PC123FY
D711 (12V)
C723 //724 //725
R730
R733
C723
R731
R732
C726
R734 //735
R739
Q709 DTA143ESA
Q708 DTC124ESA
D717
R721
C717
D704
R720
R718
R729
IC703 TA76431S
GND
PC701A PC123FY
CSENI(SEV)
R740
C732
D703
R726
R719
C716
R725
Q704 2SC1741AS
D706
R724
R722
PC704A PC123FY
C708
PC701B PC123FY
R722
D706
C718
T701
D713
L705
BU5V
IC702 TNY264P
POWER CONTROLLER
REGULATOR 5.8V
DRAIN 5
R736
R732
C728
PC703A PC123FY
D715 (4.3V)
D714
R738
PC702A PC123FY
Q706 PS-ON SW.
Q705 RELAY DRIVER
PS-ON
GND
LINE UNDER-VOLTAGE
50µA
5.8V
4.8V
BYPASS PIN UNDER-VOLTAGE
AUTO-RESTART COUNTER
RESET
CURRENT LIMIT STATE MACHINE
VI LIMIT
CURRENT LIMIT COMPARATOR
JITTER CLOCK
DC MAX
OSCILLATOR
THERMAL SHUTDOWN
LEADING EDGE BLANKING
S Q
R Q
6.3V
SOURCE 2.3
A
B

3.1.5 PC I/F BLOCK DIAGRAM

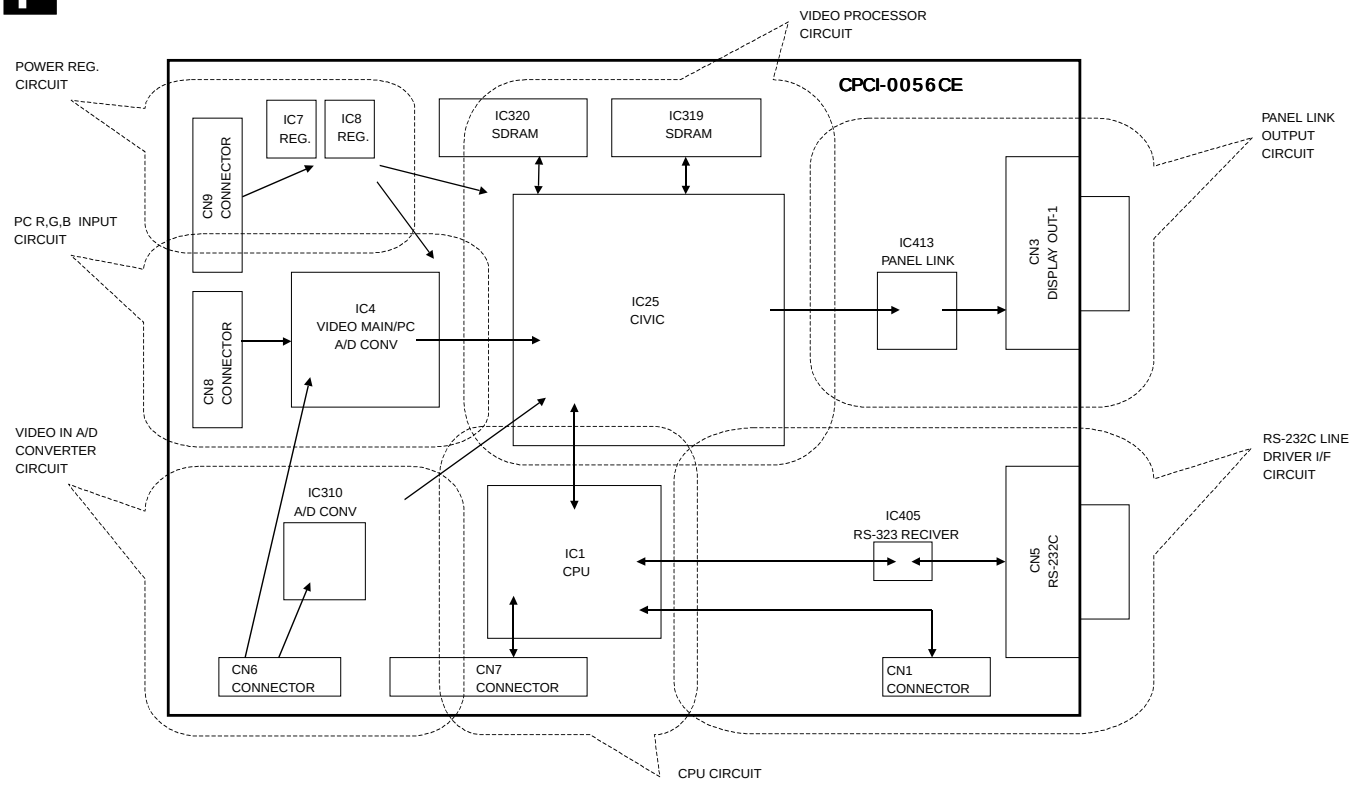
CPCI-00 56CE



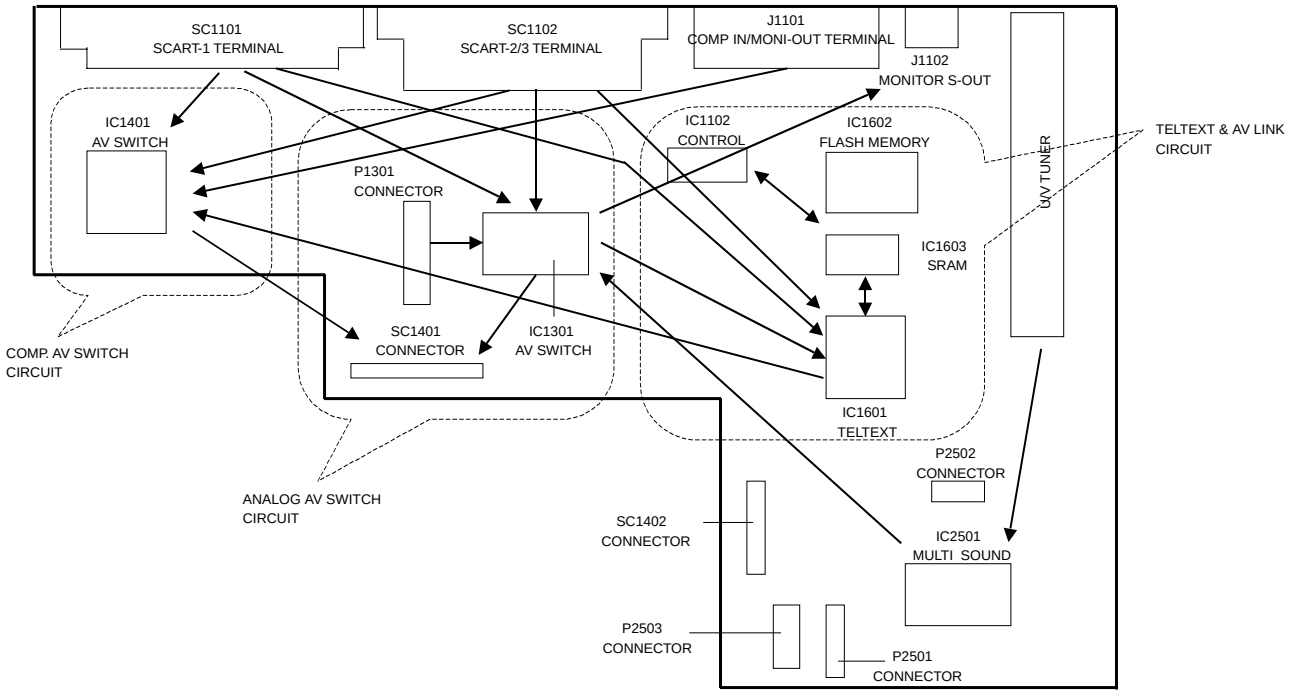

X6
25.175MHz
VGA_OE
X5
79.794MHz
WXGA_OE
5V->3.3V R eg
IC412 PQ1R33
PanelLink
HDCP
Transmitter
IC413
Sil168
I2C=CH1
D[23..16]
D[15..8]
D[7..0]
LCLK(79.79 4MHz)
IDCK+
DO_HS YNC
DO_VS YNC
DO_HD ISP
HSYNC
VSYNC
DE
MDA
MCK
TX
EEPROM
IC414
M24C32
TMDS(4ch)
CN3
DVI
I2C=CH1
(TO MONITOR)
HOTPLUG
16
CN9
13pin (TO MAIN PWB)
POWER CONNECTOR
1:VD+5
3:VA+5
5,6:VD+2.5
8:VD+3.3
10:V-5
12:VA+12
13:VD+5BK
EDGE
RST
MON_DET
-RST_PL
RESET CIRCUIT
+2.5V IC19 PST623XW
+3.3V IC2 PST600IW
VGA_ OE
WXGA_OE
RESETP
RS232C
Driver&
Reciever
IC405
uPD4721G
CN5
RS232C
SERIAL=CH2
TXD2
RXD2
CTS2
RTS2
IRQ3
IRQ4
IRQ0
-C1_I NT
XPWR SV
HVSEL
SEL CD
SAD C OE
CAR D RST
P XOE
THER MO
B SREO
CLR_ SW
CPU
INTERNAL 72MHz
EXTERNAL 24MHz
IC1
SH7709
I2C PORT
CH1 Do:PTB4,Di:PTG5,Clk:PTB5
CH2 Do:PTC1,Di:PTF2,Clk:PTC2
CH3 Do:PTA6,Di:PTG6,Clk:PTA7
CH4 Do:PTD0,Di:PTG4,Clk:PTA4
TXD1
RXD1
TXD0
RXD0
TXD 1_T
RXD 1_T
TXD0_M
RXD0_M
CKIO(24MHz)
CKIO
-CS2
CS2
-WAIT_C1
WAIT
-RESET_C1
PTD2
RST_P LL
PTD5
SSYSTEM
KOUTEI
DAC DATA
DAC CLK
ACL SW
RES OUT3
SRESET
TV COL2
TV_COL1
HPMUTE
LMUTE
SH ON
AWC S R
AWC S_W
AG C1
AG C2
AF T1
AF T2
PSE L1
PSE L2
AW_ DATA
CN8
FPC 50pin (TO MAIN PWB)
I2C=CH1,2,3, SERIAL=CH1
SERIAL CONNECTION FOR
CE01 ONLY
(R1081, R1080)
CVIC INTERNAL SUPPLY VOLTAGE
SELECTOR
R1077 MOUNTED: VD+2.5V=2.5V
R1078 MOUNTED: VD+2.5V=1.8V
R1077
R1078
R1105
R1106
CVIC INTERNAL SUPPLY VOLTAGE
MONITOR
R1105 MOUNTED: VD+2.5V=2.5V
R1106 MOUNTED: VD+2.5V=1.8V
ACL_S IG
SENCE
SMPOW
CSEN1
CCKM
CSEN2
IO_STB
PC
DDC
DETECT
P C_V
CN1
15pin
SERIAL=CH0
FLASH_W
SRST
FWMODEN
CPU BUS D:16,A:26
FLAS HWP
FLASH
2Mx16bit
IC27
LH28F320S3NS
-C S0
WP
STS
VPP
A20
DRAM 1Mx16bit
IC28
MSM51V18165D
FST ATUS
FLWP
X3
1.8432MHz
X1
6MHz
EEPROM
IC3
AT24C128N
I2C=CH3
S1
FLASH WRITE AT FWMODEN=LOW

3.1.6 PRINTED WIRING BOARD BLOCK DIAGRAM

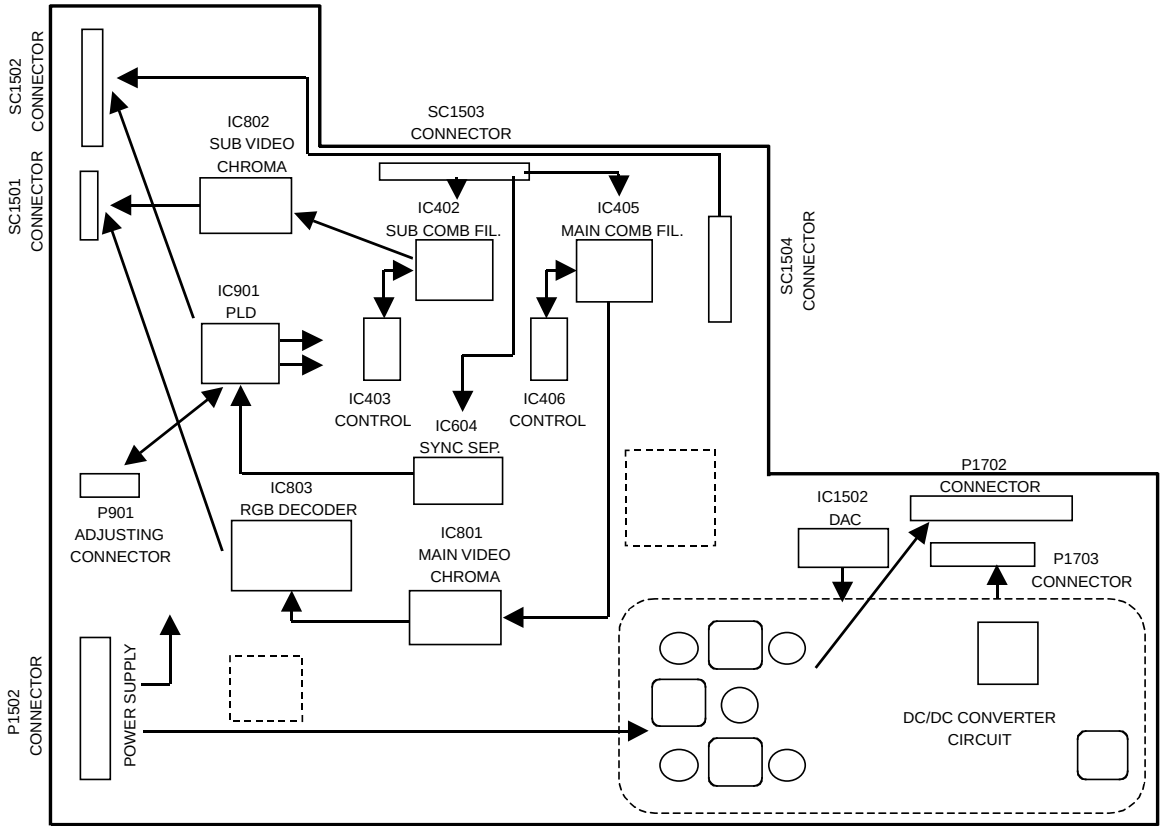
F PC I/F UNIT



C AV UNIT



A MAIN UNIT


SC1502 CONNECTOR
SC1501 CONNECTOR
IC802 SUB VIDEO CHROMA
SC1503 CONNECTOR
IC402 SUB COMB FIL.
IC405 MAIN COMB FIL.
SC1504 CONNECTOR
IC901 PLD
IC403 CONTROL
IC604 SYNC SEP.
IC406 CONTROL
P901 ADJUSTING CONNECTOR
IC803 RGB DECODER
IC801 MAIN VIDEO CHROMA
IC1502 DAC
P1702 CONNECTOR
P1703 CONNECTOR
P1502 CONNECTOR
POWER SUPPLY
DC/DC CONVERTER CIRCUIT

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform.
2. ◯▶ indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are Carbon type, unless otherwise noted.
 Ⓒ: Solid Ⓦ: Cement
 Ⓢ: Oxide Film Ⓣ: Special
 Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are mF, unless otherwise noted. (P=pF=mmF).
2. All capacitors are Ceramic type, unless otherwise noted.
 (ML) : Mylar (TA) : Tantalum
 (PF) : Polypro Film (ST) : Styrol

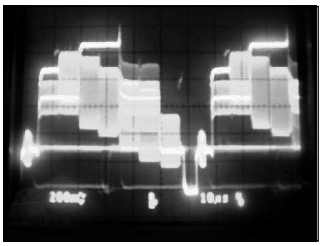
CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

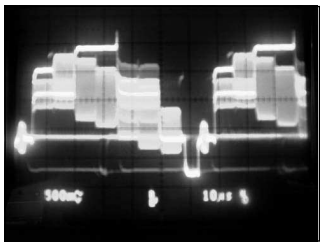
WAVEFORMS

①



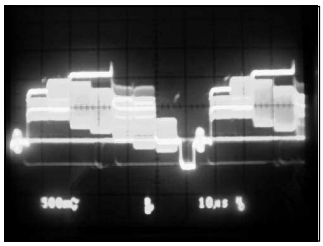
IC1301 63-pin
V: 200mV/div H: 10µsec/div

②



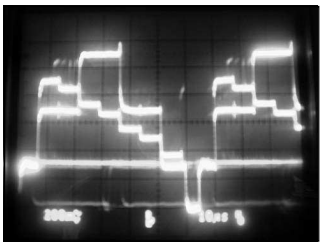
IC1301 56-pin
V: 500mV/div H: 10µsec/div

③



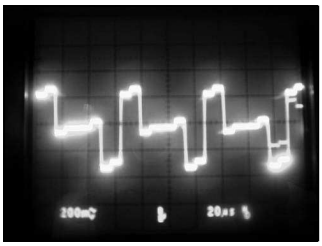
IC405 1, 2-pin
V: 500mV/div H: 10µsec/div

④



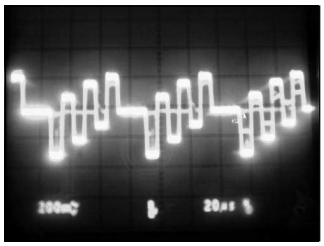
IC801 1-pin
V: 200mV/div H: 10µsec/div

⑤



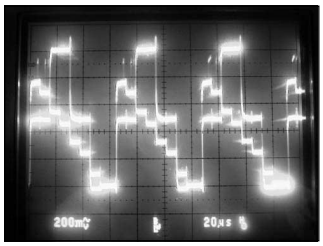
IC803 TP801
V: 200mV/div H: 20µsec/div

⑥



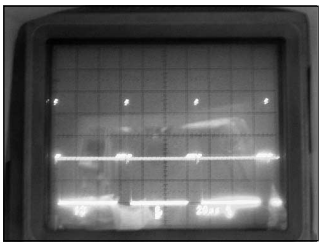
IC803 TP802
V: 200mV/div H: 20µsec/div

⑦



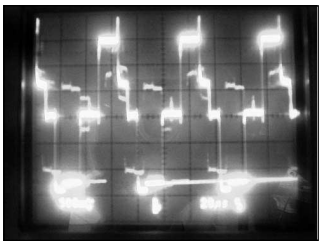
IC803 TP803
V: 200mV/div H: 20µsec/div

⑧



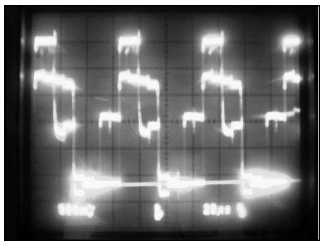
IC803 31-pin
V: 1V/div H: 20µsec/div

⑨



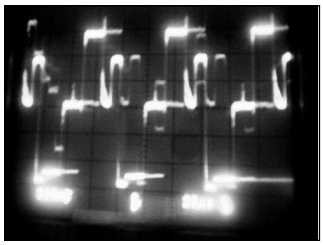
IC810 13-pin
V: 500mV/div H: 20µsec/div

⑩



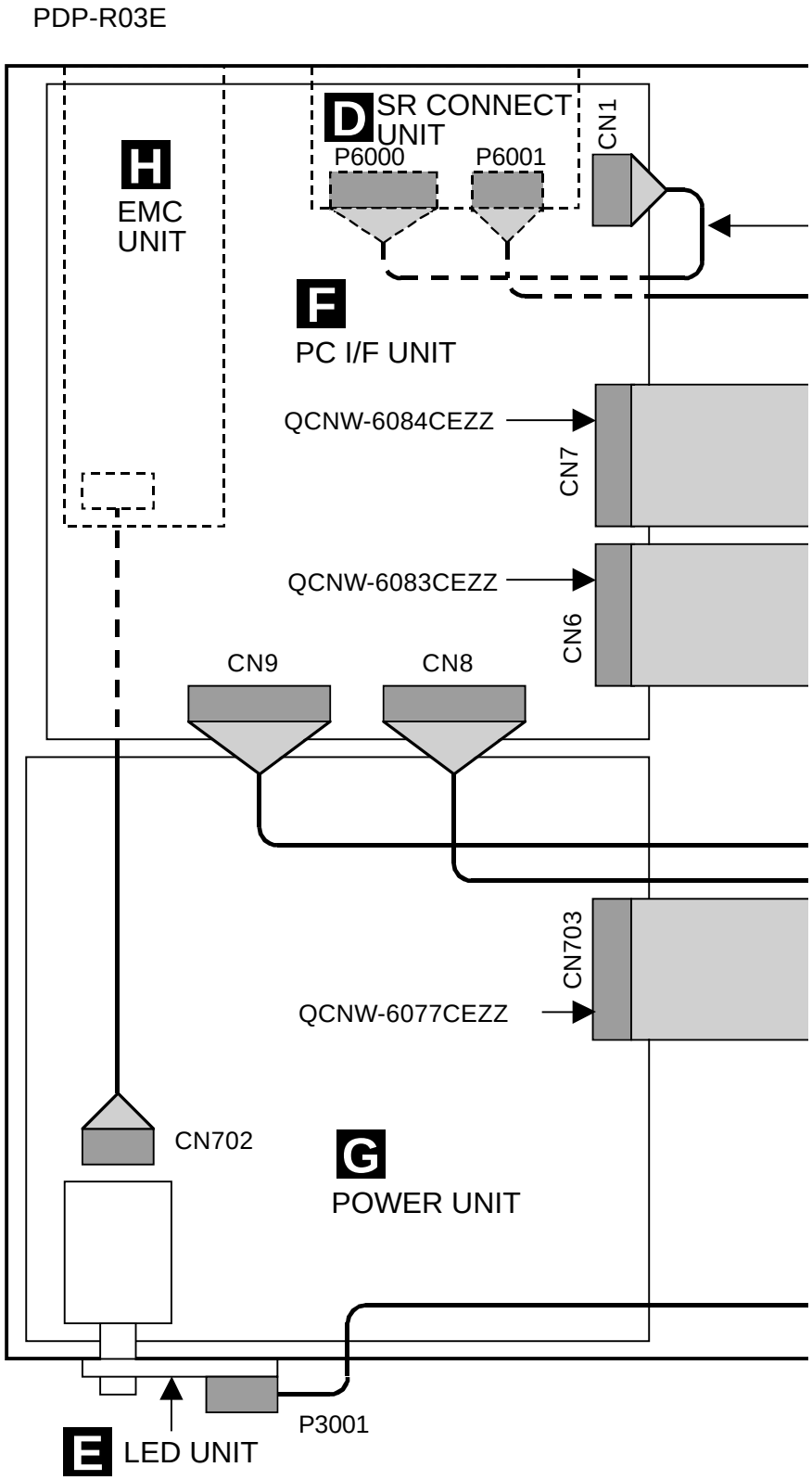
IC810 11-pin
V: 500mV/div H: 20µsec/div

⑪

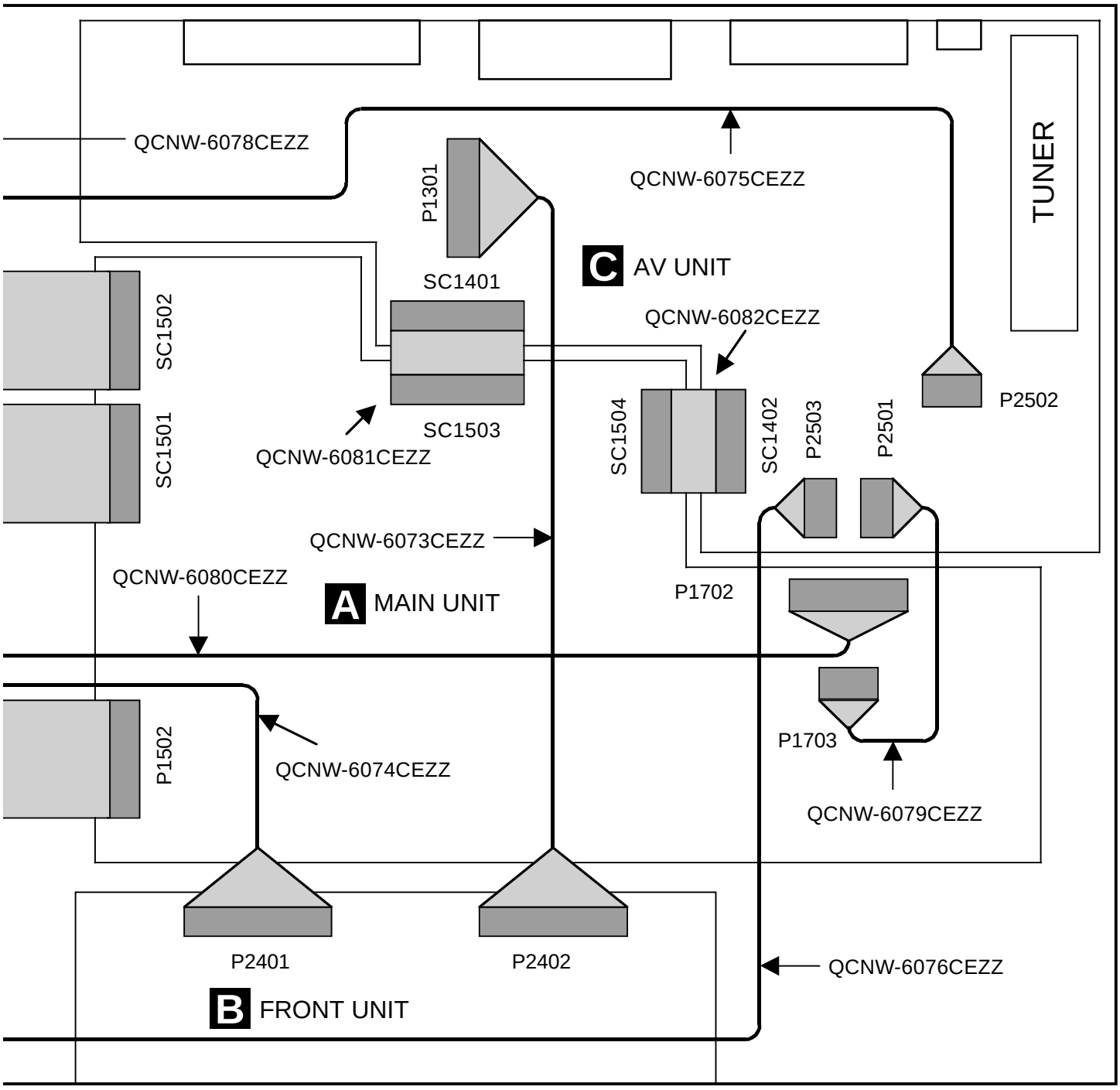


IC810 10-pin
V: 500mV/div H: 20µsec/div

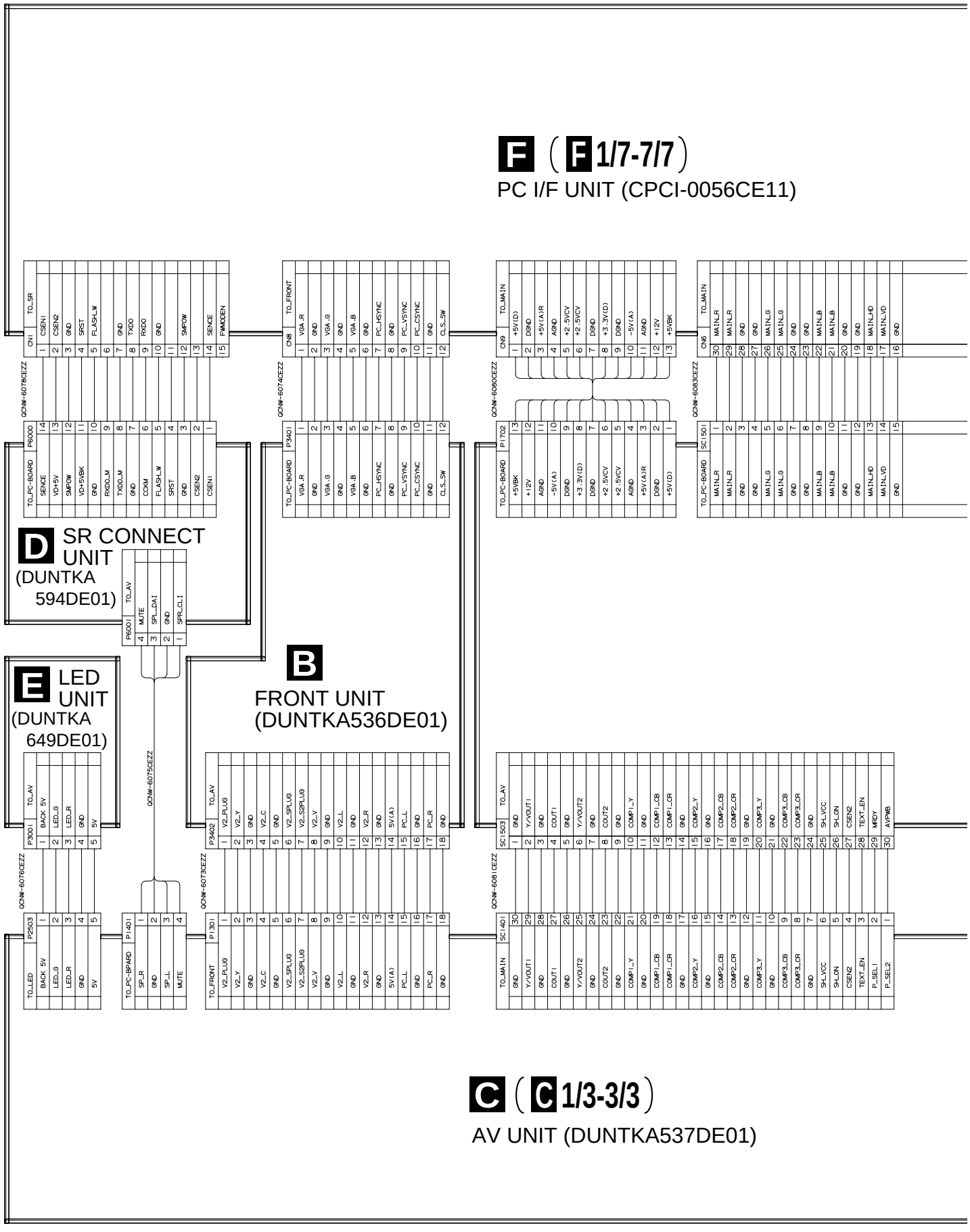
3.2 OVERALL WIRING DIAGRAM (1/2)

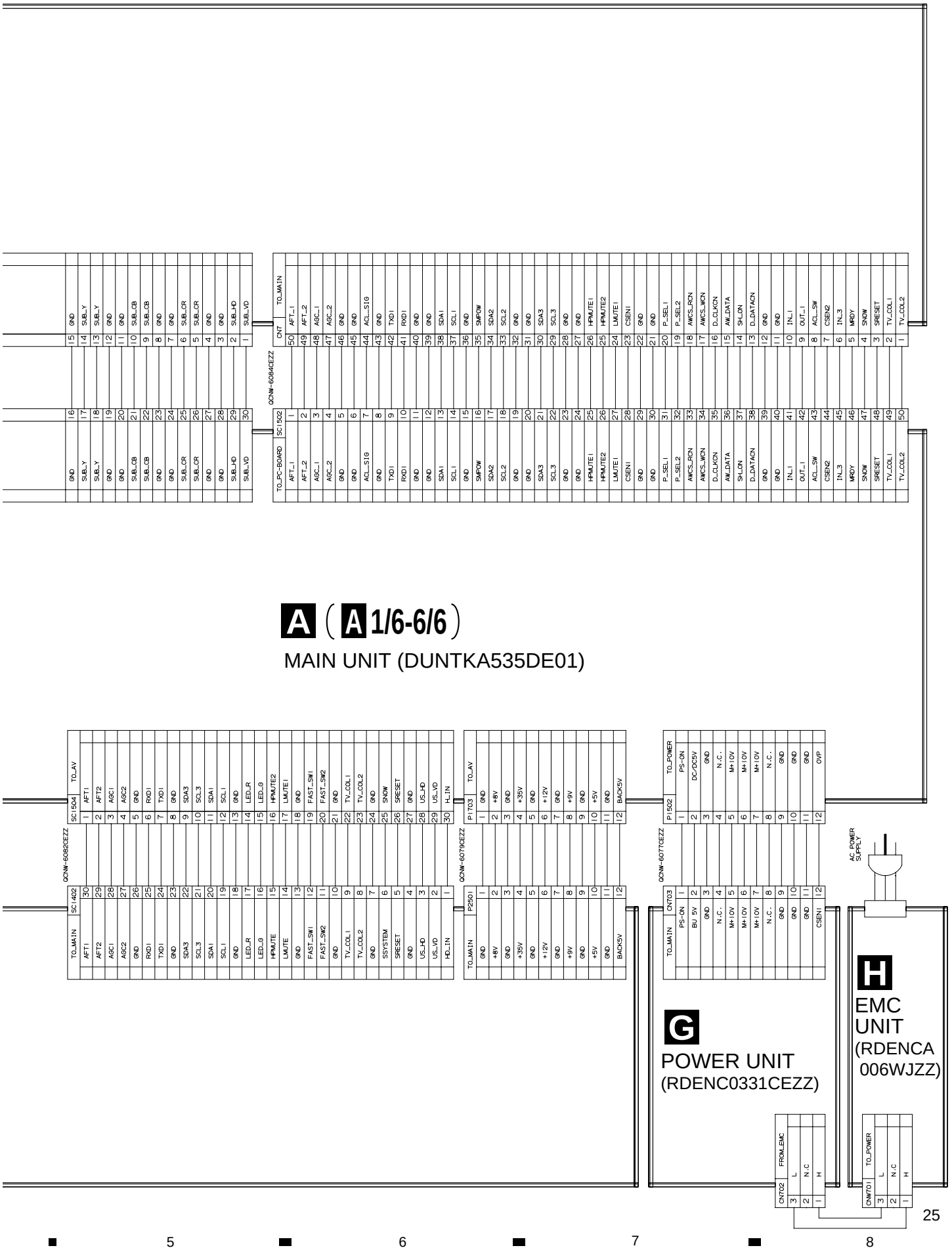


Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".



3.3 OVERALL WIRING DIAGRAM (2/2)

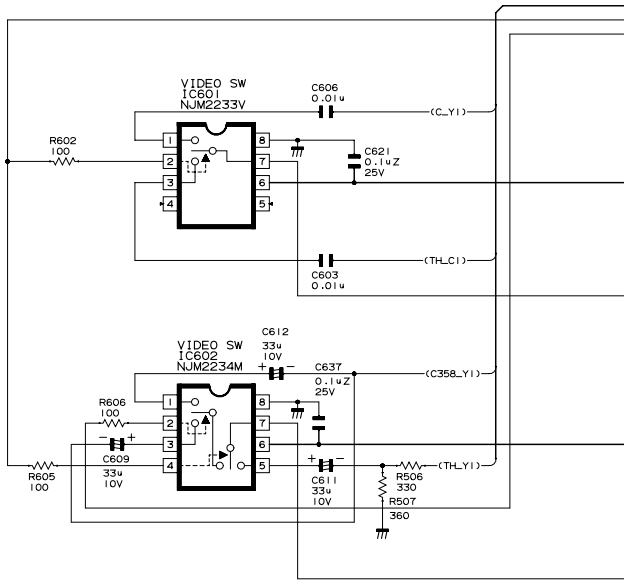



A
B
C
D
TO_MAIN
TO_PC-BOARD
QCNW-6084CEZZ
TO_AV
QCNW-6082CEZZ
QCNW-6079CEZZ
TO_POWER
QCNW-6077CEZZ
AC POWER SUPPLY
A (A 1/6-6/6)
MAIN UNIT (DUNTKA535DE01)
G
POWER UNIT
(RDENC0331CEZZ)
H
EMC
UNIT
(RDENCA
006WJZZ)
FROM_EMC
TO_POWER

3.4 MAIN UNIT (1/6)

A 1/6 MAIN UNIT
(DUNTKA535DE01)

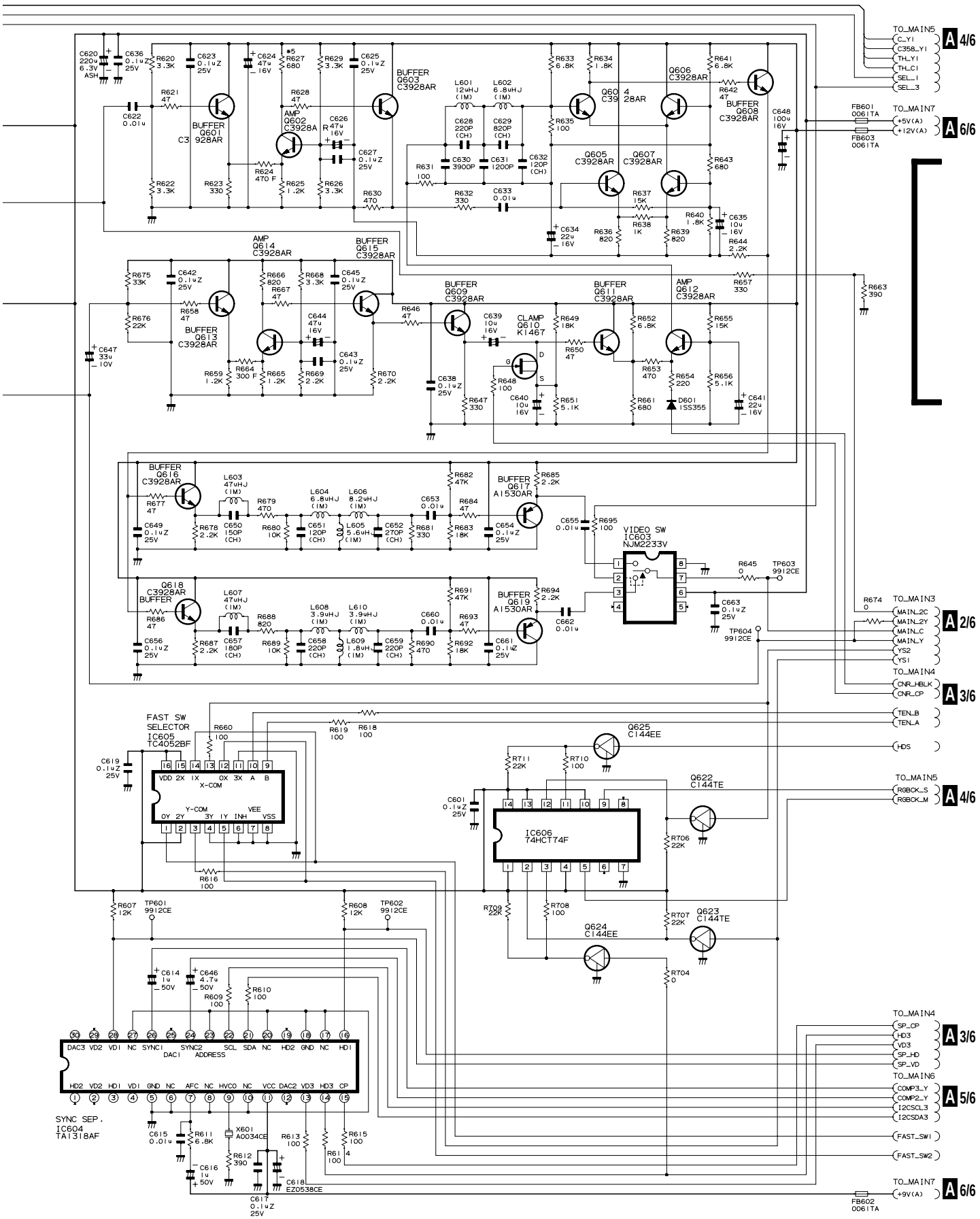
PZ50MP2E



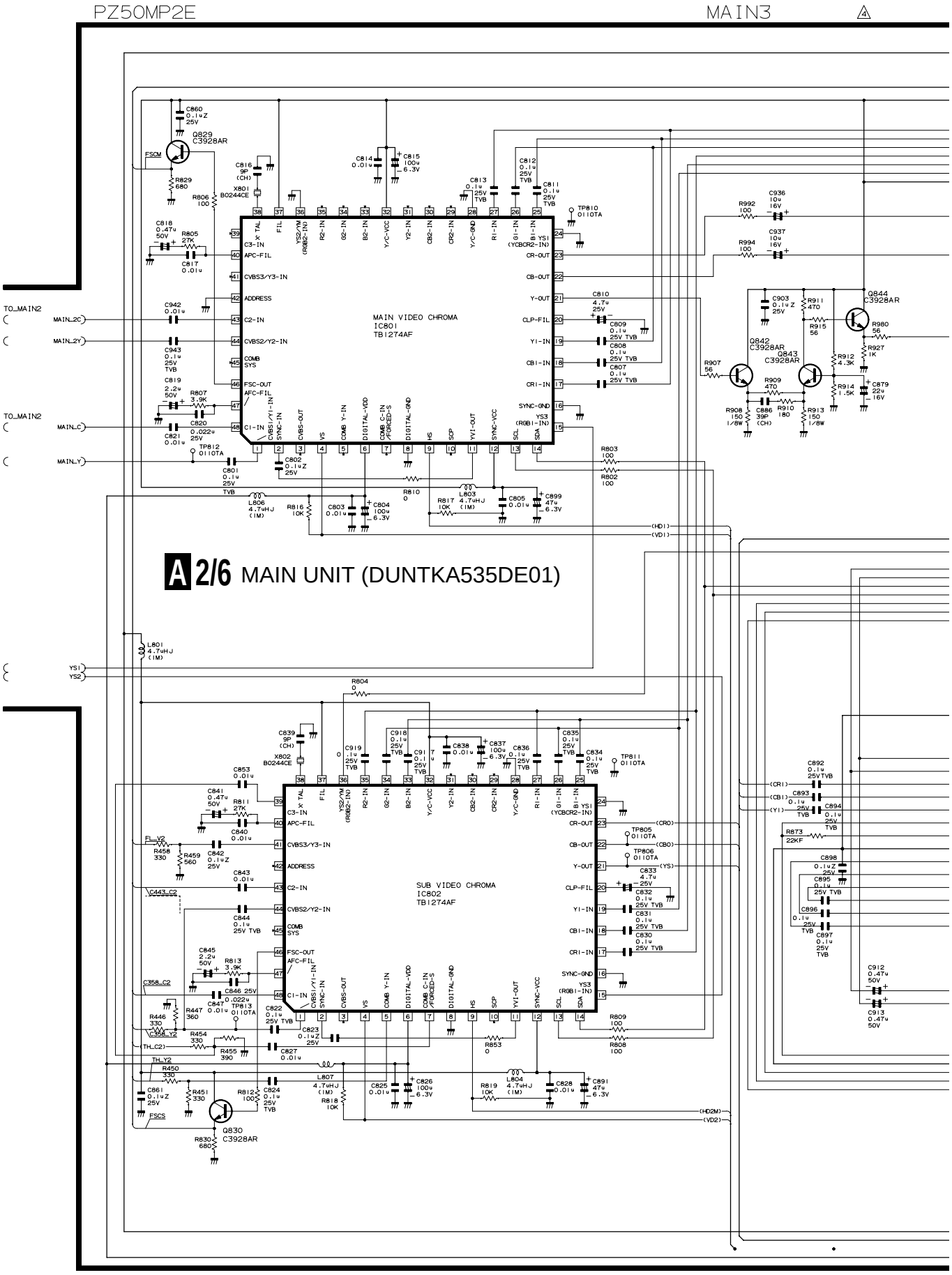
* PWB1001
XA535CEN3

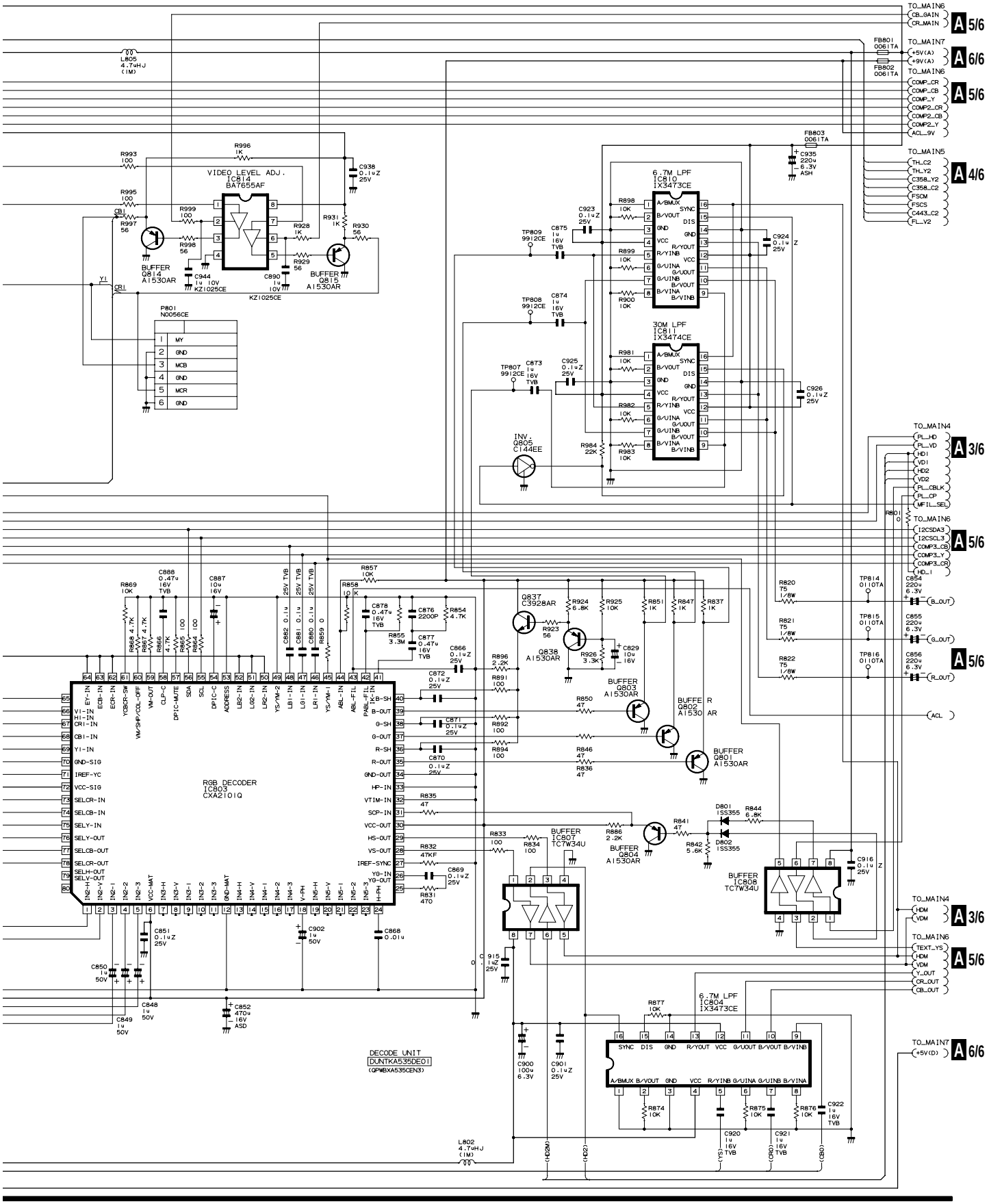
DECODE UNIT
DUNTKA535DE01
(QPWBXA535CEN3)

MAIN2 ⚠4


TO_MAIN5 A 4/6
C_YI
C358_YI
TH_YI
TH_CI
SEL_1
SEL_3
FB601 0061TA
FB603 0061TA
TO_MAIN7
+5V(A)
+12V(A)
BUFFER Q601 C3928AR
AMP Q602 C3928A
BUFFER Q603 C3928AR
Q604 C3928AR
Q605 C3928AR
Q606 C3928AR
Q607 C3928AR
BUFFER Q608 C3928AR
AMP Q614 C3928AR
BUFFER Q615 C3928AR
BUFFER Q613 C3928AR
BUFFER Q609 C3928AR
CLAMP Q610 K1467
BUFFER Q611 C3928AR
AMP Q612 C3928AR
BUFFER Q616 C3928AR
BUFFER Q617 A1530AR
VIDEO SW IC603 NJM2233V
BUFFER Q618 C3928AR BUFFER
BUFFER Q619 A1530AR
TP603 9912CE
TP604 9912CE
TO_MAIN3 A 2/6
MAIN_2C
MAIN_2Y
MAIN_C
MAIN_Y
YS2
YS1
TO_MAIN4
CNR_HBLK
CNR_CP
A 3/6
FAST SW SELECTOR IC605 TC4052BF
TEN_B
TEN_A
HDS
Q625 C144EE
Q622 C144TE
TO_MAIN5
RGBCK_S
RGBCK_M
A 4/6
IC606 74HCT74F
Q623 C144TE
Q624 C144EE
TP601 9912CE
TP602 9912CE
SYNC SEP. IC604 TA1318AF
X601 A0034CE
TO_MAIN4
SP_CP
HD3
VD3
SP_HD
SP_VD
A 3/6
TO_MAIN6
COMP3_Y
COMP2_Y
I2CSCL3
I2CSDA3
A 5/6
FAST_SW1
FAST_SW2
TO_MAIN7
+9V(A)
A 6/6
FB602 0061TA

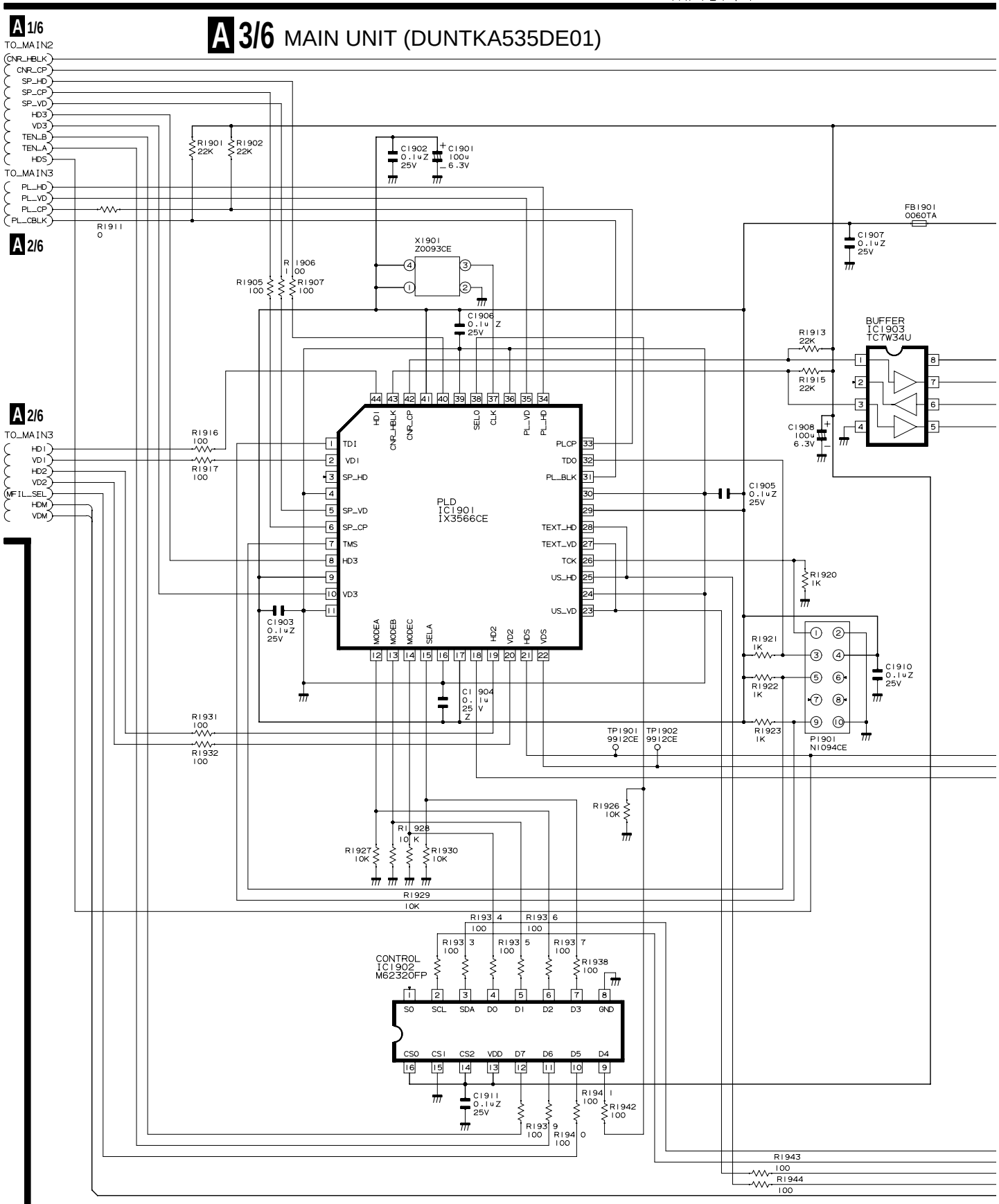
3.5 MAIN UNIT (2/6)

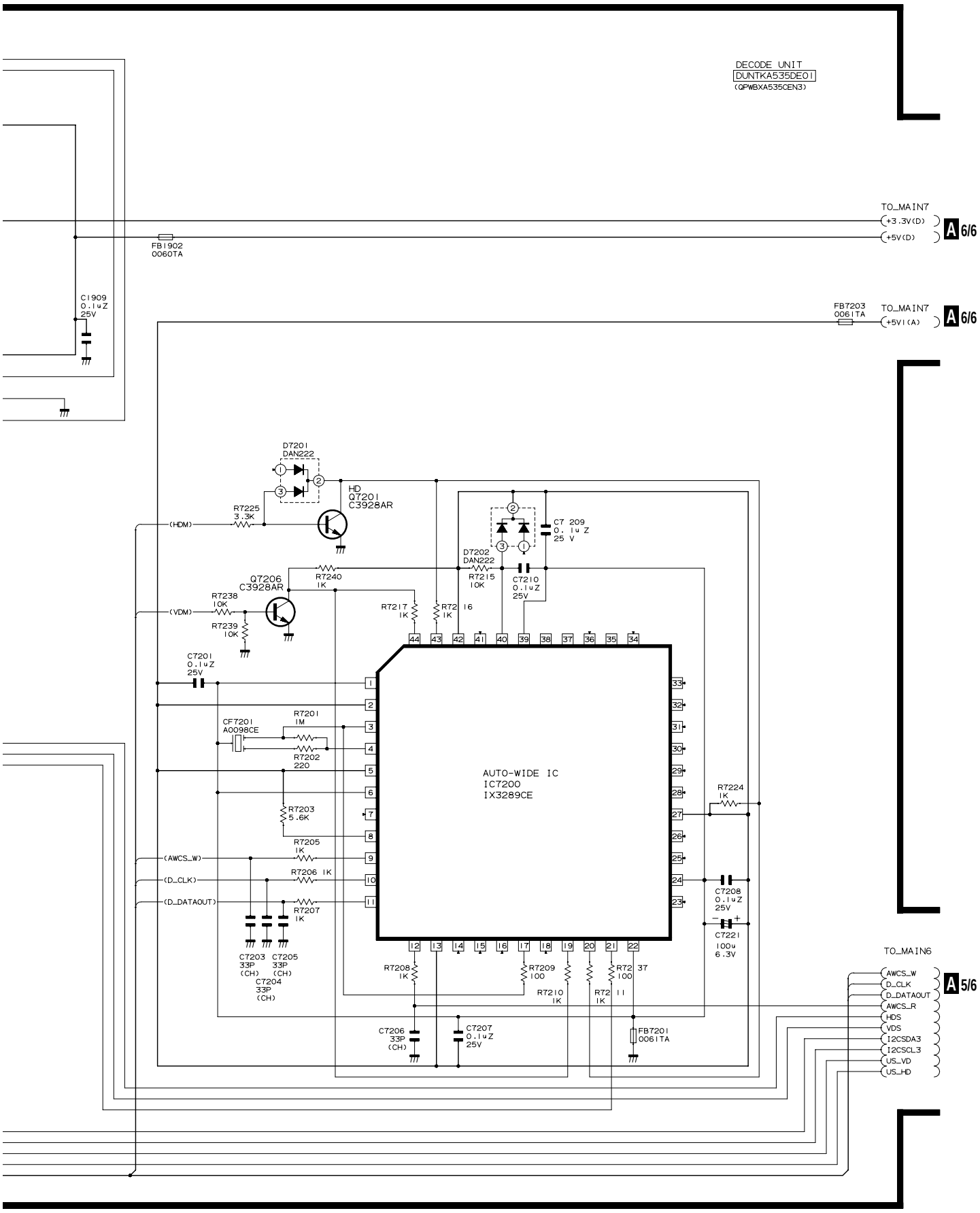



TO_MAIN6
CB_GAIN
CR_MAIN
A 5/6
TO_MAIN7
+5V(A)
+9V(A)
A 6/6
TO_MAIN6
COMP_CR
COMP_CB
COMP_Y
COMP2_CR
COMP2_CB
COMP2_Y
ACL_9V
A 5/6
TO_MAIN5
TH_C2
TH_Y2
C358_Y2
C358_C2
FSCM
FSCS
C443_C2
FL_Y2
A 4/6
FB801 0061TA
FB802 0061TA
FB803 0061TA
L805 4.7uHJ (1M)
VIDEO LEVEL ADJ.
IC814
BA7655AF
BUFFER Q814 A1530AR
BUFFER Q815 A1530AR
KZ1025CE
P801 N0056CE
MY
GND
MCB
GND
MCR
GND
6.7M LPF IC810 IX3473CE
30M LPF IC811 IX3474CE
INV. Q805 C144EE
TO_MAIN4
PL_HD
PL_VD
HD1
VD1
HD2
VD2
PL_CBLK
PL_CP
MFIL_SEL
A 3/6
TO_MAIN6
I2CSDA3
I2CSCL3
COMP3_CB
COMP3_Y
COMP3_CR
HD_I
A 5/6
B_OUT
G_OUT
R_OUT
ACL
RGB DECODER IC803 CXA2101Q
BUFFER IC807 TC7W34U
BUFFER Q803 A1530AR
BUFFER Q802 A1530 AR
BUFFER Q801 A1530AR
BUFFER Q804 A1530AR
BUFFER IC808 TC7W34U
TO_MAIN4
HDM
VDM
A 3/6
TO_MAIN6
TEXT_YS
HDM
VDM
Y_OUT
CR_OUT
CB_OUT
A 5/6
TO_MAIN7
+5V(D)
A 6/6
6.7M LPF IC804 IX3473CE
DECODE UNIT
DUNTKA535DE01
(QPWBXA535CEN3)
L802 4.7uHJ (1M)

3.6 MAIN UNIT (3/6)

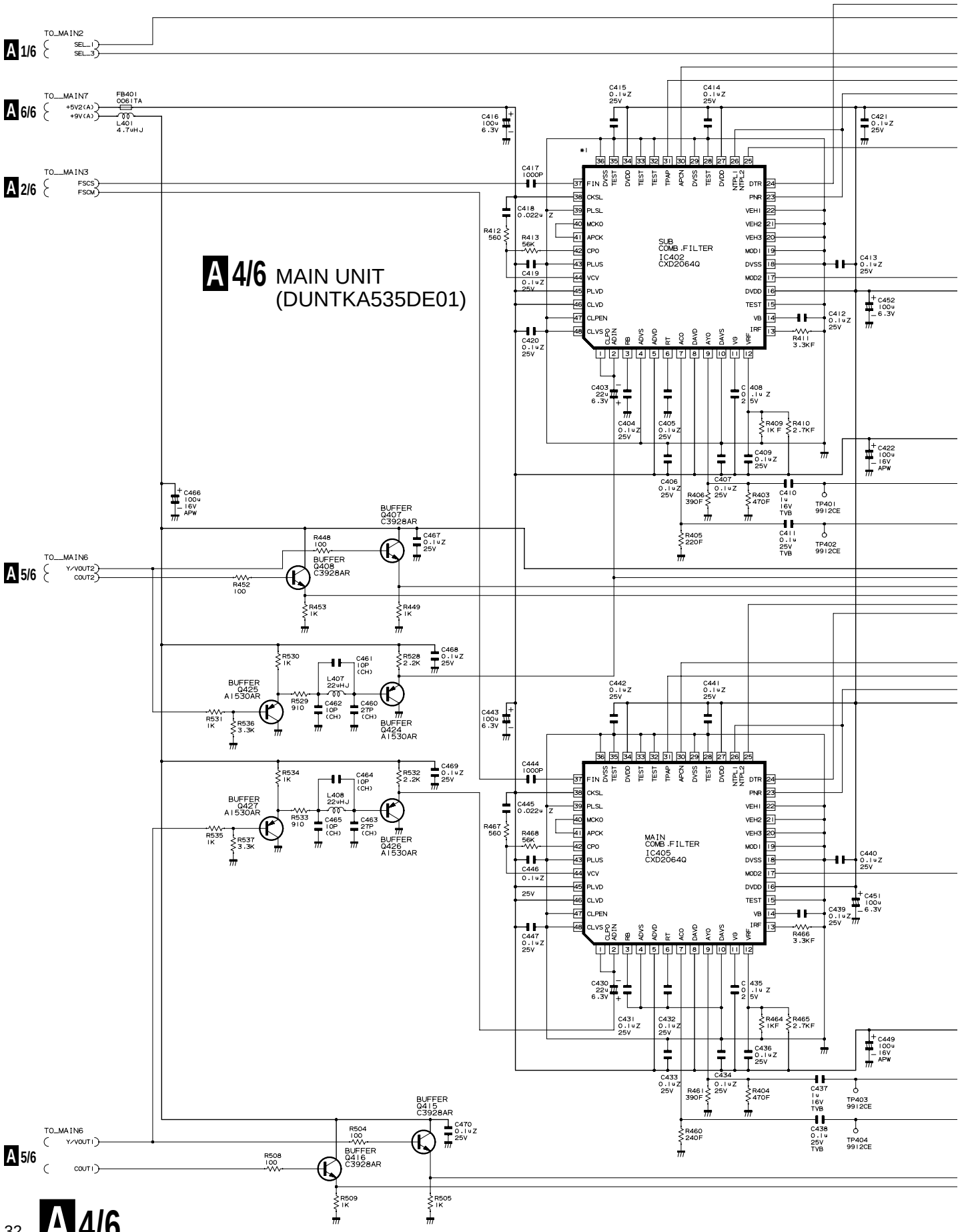
PZ50MP2E MAIN4 4

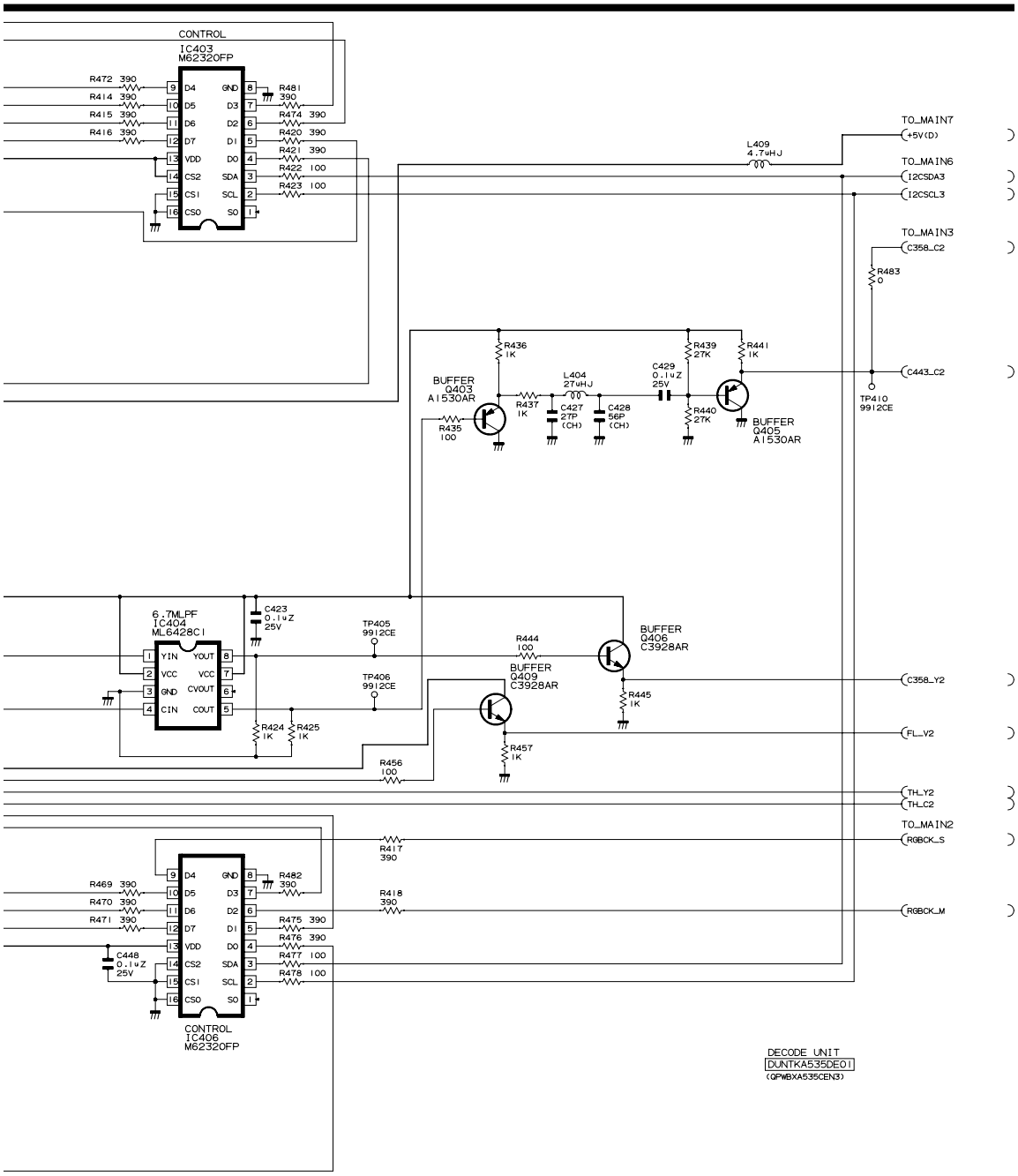



DECODE UNIT
DUNTKA535DE01
(QPWBXA535CEN3)
TO_MAIN7
+3.3V(D)
+5V(D)
A 6/6
FB1902
0060TA
C1909
0.1uZ
25V
FB7203
0061TA
TO_MAIN7
+5V1(A)
A 6/6
D7201
DAN222
HD
Q7201
C3928AR
R7225
3.3K
(HDM)
C7 209
0. 1u Z
25 V
D7202
DAN222
R7215
10K
C7210
0.1uZ
25V
R7240
1K
Q7206
C3928AR
R7238
10K
(VDM)
R7239
10K
R7217
1K
R7216
1K
C7201
0.1uZ
25V
CF7201
A0098CE
R7201
1M
R7202
220
R7203
5.6K
R7205
1K
(AWCS_W)
R7206 1K
(D_CLK)
(D_DATAOUT)
R7207
1K
AUTO-WIDE IC
IC7200
IX3289CE
R7224
1K
C7208
0.1uZ
25V
C7221
100u
6.3V
C7203
33P
(CH)
C7205
33P
(CH)
C7204
33P
(CH)
R7208
1K
R7209
100
R7210
1K
R7211
1K
R7237
100
C7206
33P
(CH)
C7207
0.1uZ
25V
FB7201
0061TA
TO_MAIN6
A 5/6
AWCS_W
D_CLK
D_DATAOUT
AWCS_R
HDS
VDS
I2CSDA3
I2CSCL3
US_VD
US_HD

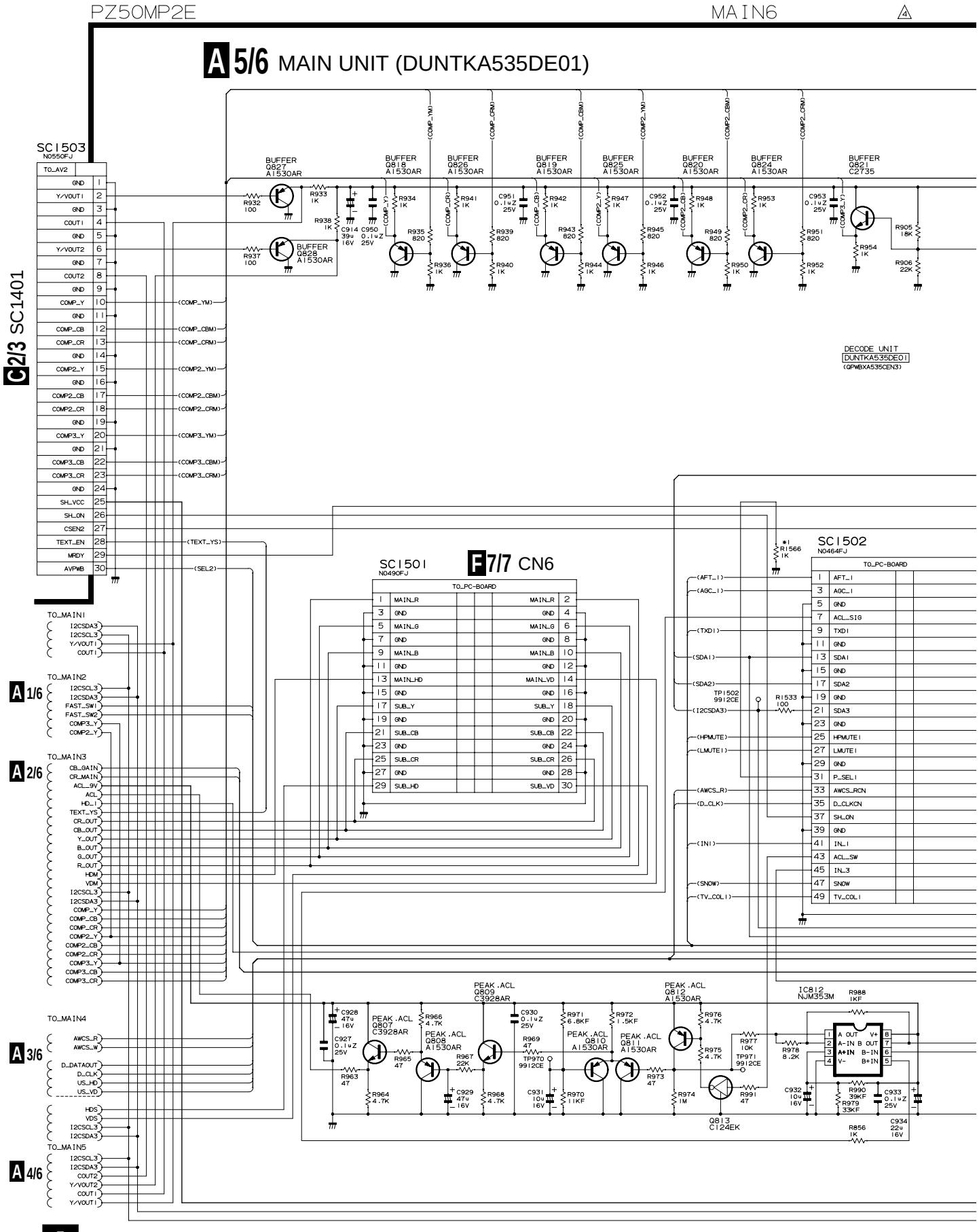
3.7 MAIN UNIT (4/6)

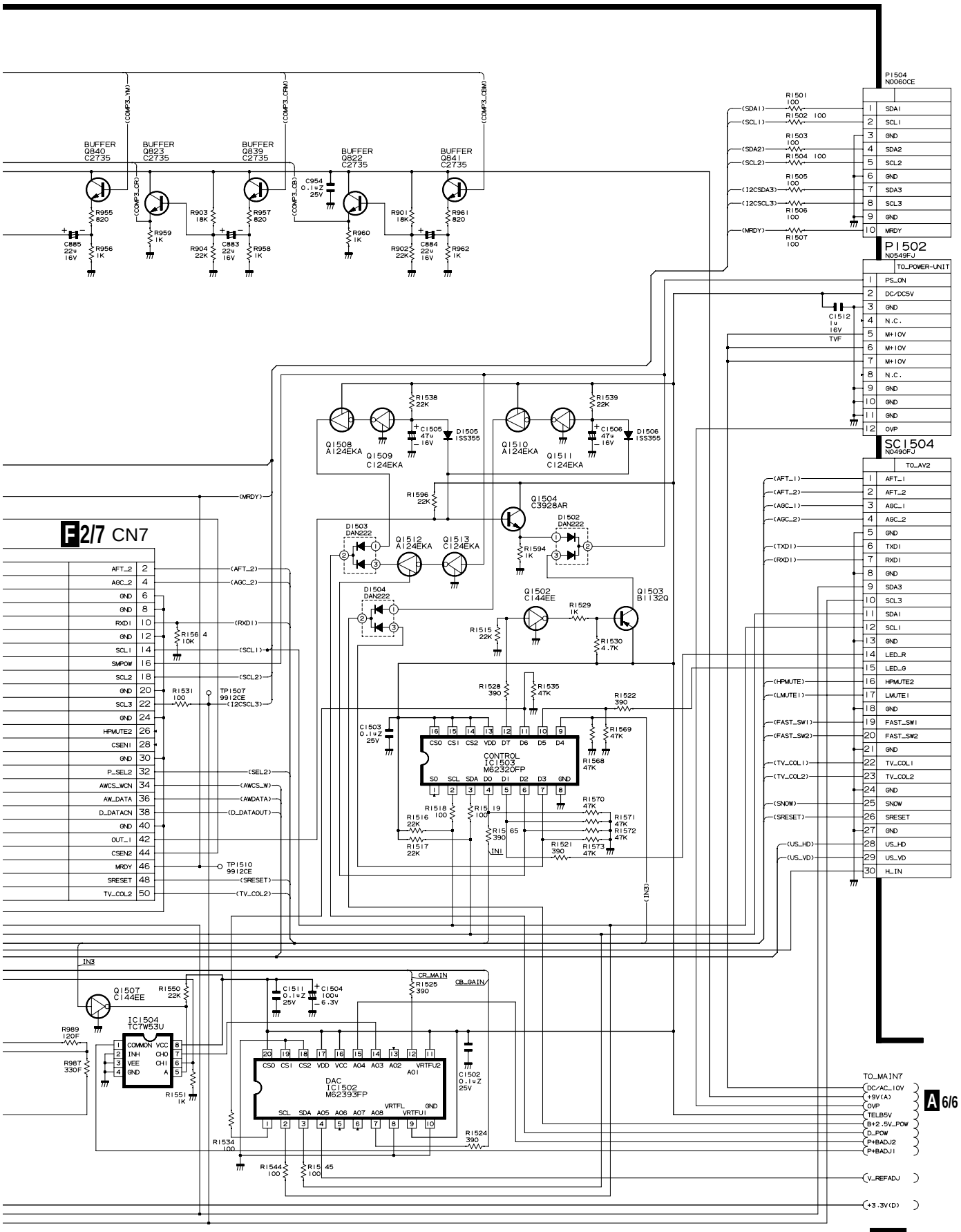
PZ50MP2E MAIN5 4




CONTROL
IC403
M62320FP
L409
4.7uHJ
TO_MAIN7
+5V(D)
A 6/6
TO_MAIN6
I2CSDA3
I2CSCL3
A 5/6
TO_MAIN3
C358_C2
A 2/6
R483
0
C443_C2
A 2/6
TP410
9912CE
BUFFER
Q403
A1530AR
R436
1K
R437
1K
L404
27uHJ
C427
27P
(CH)
C428
56P
(CH)
C429
0.1uZ
25V
R439
27K
R441
1K
R440
27K
BUFFER
Q405
A1530AR
R435
100
6.7MLPF
IC404
ML6428CI
C423
0.1uZ
25V
TP405
9912CE
TP406
9912CE
R444
100
BUFFER
Q409
C3928AR
BUFFER
Q406
C3928AR
R445
1K
C358_Y2
A 2/6
FL_V2
R457
1K
R424
1K
R425
1K
R456
100
TH_Y2
TH_C2
TO_MAIN2
RGBCK_S
A 1/6
R417
390
R418
390
RGBCK_M
R469 390
R470 390
R471 390
R482
390
R475 390
R476 390
R477 100
R478 100
C448
0.1uZ
25V
CONTROL
IC406
M62320FP
DECODE UNIT
DUNTKA535DE01
(QPWBXA535CEN3)
6.7M_LPF
IC407
ML6428CI
C450
0.1uZ
25V
TP407
9912CE
TP408
9912CE
R499
330
R500
1K
R564
360
BUFFER
Q414
A1530AR
TO_MAIN2
C358_Y1
A 1/6
R479
1K
R480
1K
C_Y1
A 1/6
TH_Y1
TH_C1

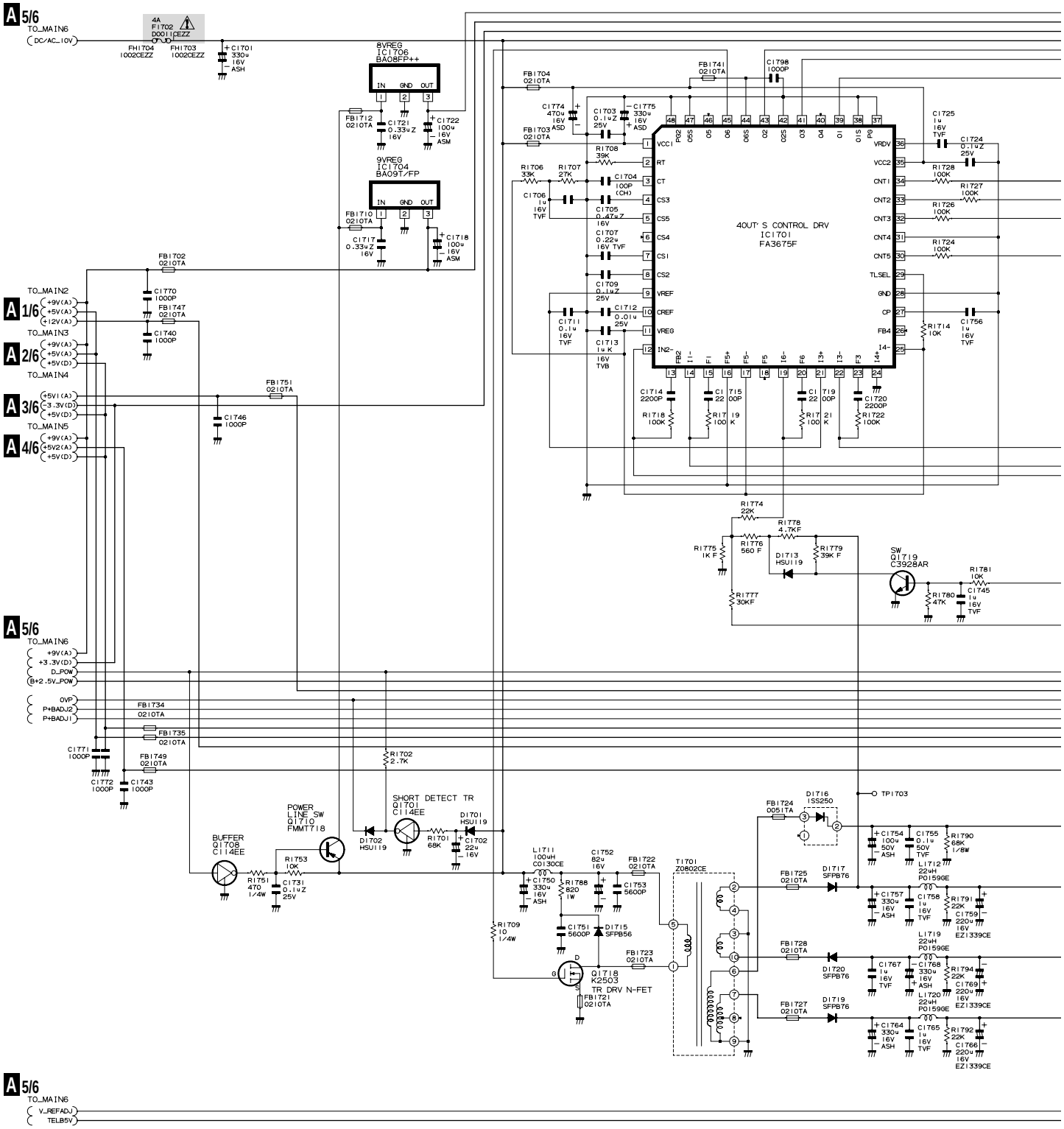
3.8 MAIN UNIT (5/6)

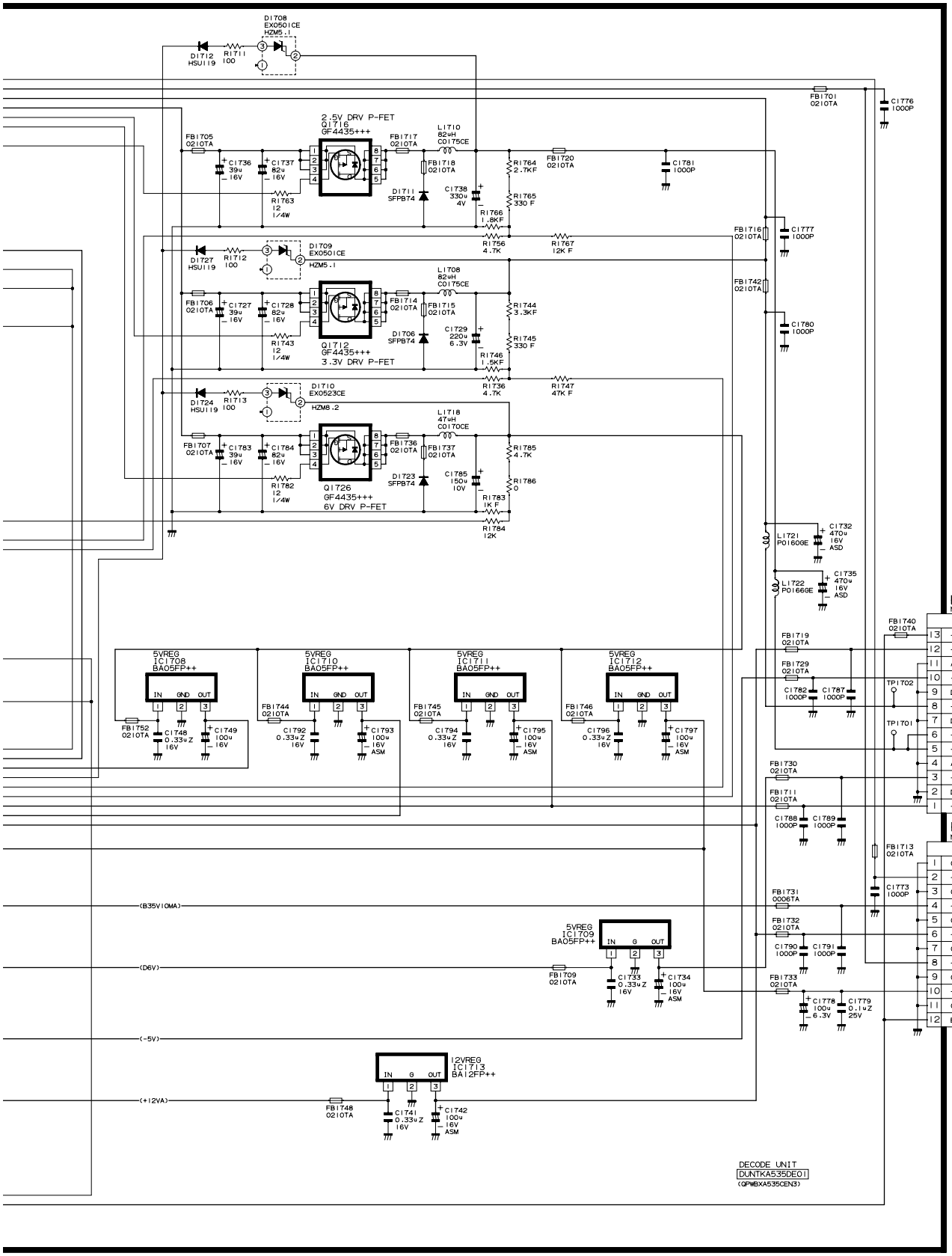



BUFFER Q840 C2735
BUFFER Q823 C2735
BUFFER Q839 C2735
BUFFER Q822 C2735
BUFFER Q841 C2735
P1504 N0060CE
P1502 N0549FJ
TO_POWER-UNIT
SC1504 N0490FJ
TO_AV2
F 2/7 CN7
G CN703
C 2/3 SC1402
A 6/6
A 5/6
CONTROL IC1503 M62320FP
DAC IC1502 M62393FP
IC1504 TC7W53U
Q1504 C3928AR
Q1502 C144EE
Q1503 B1132Q
Q1507 C144EE
Q1508 A124EKA
Q1509 C124EKA
Q1510 A124EKA
Q1511 C124EKA
Q1512 A124EKA
Q1513 C124EKA
TO_MAIN7

3.9 MAIN UNIT (6/6)

PZ50MP2E **A 6/6** MAIN UNIT (DUNTKA535DE01) MAIN7 ⚠4

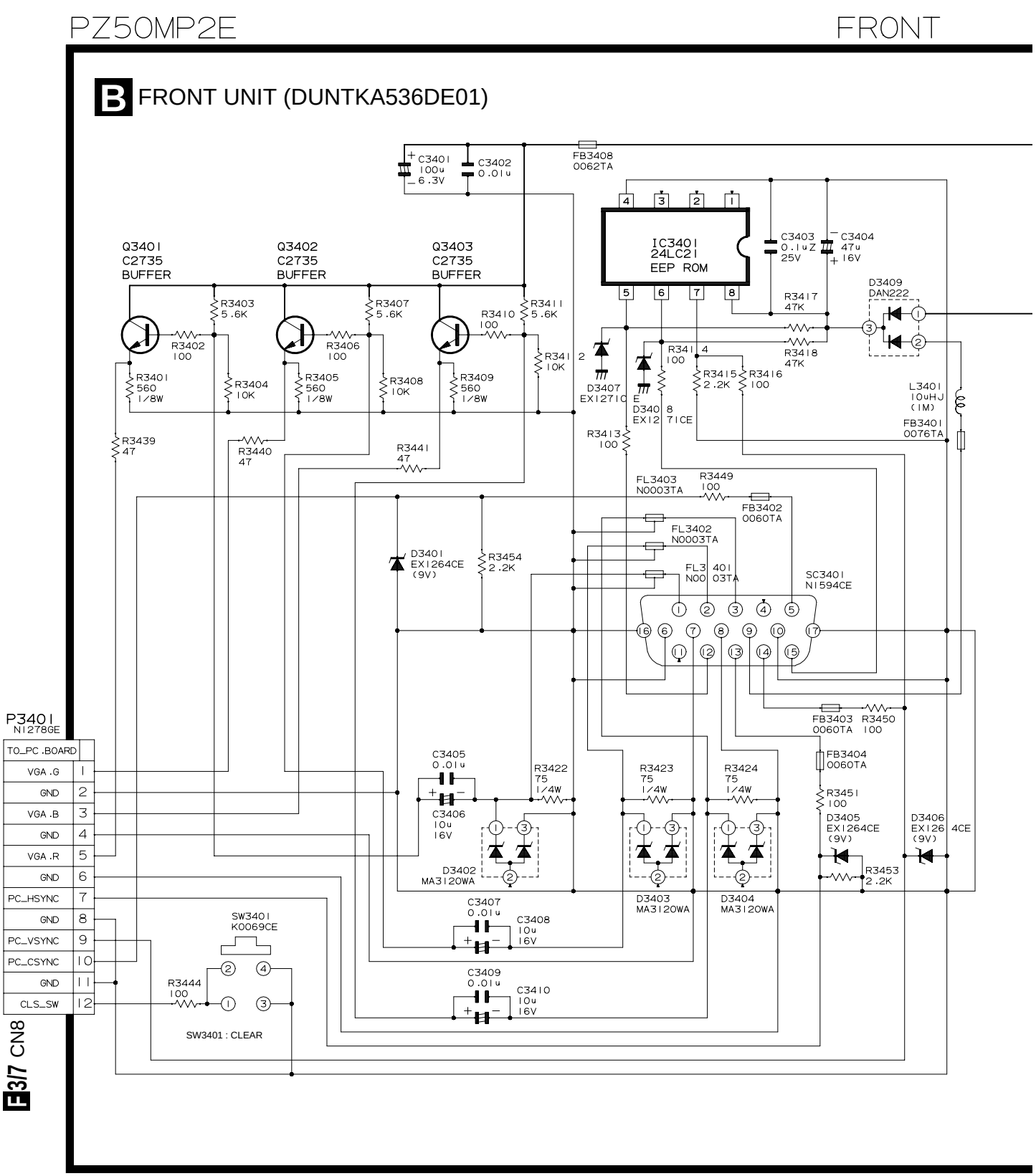


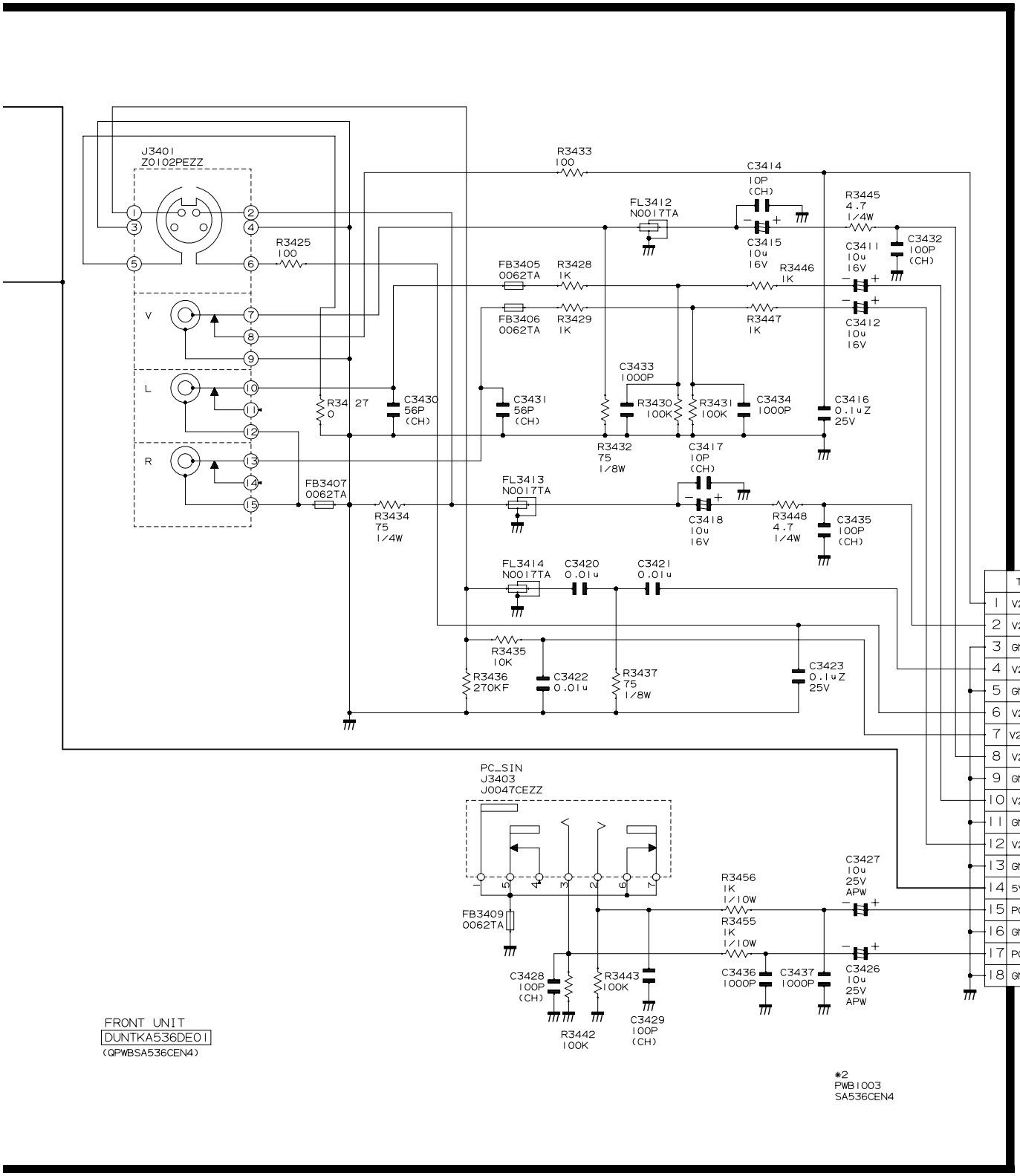


F7/7 CN9

C2/3 P2501

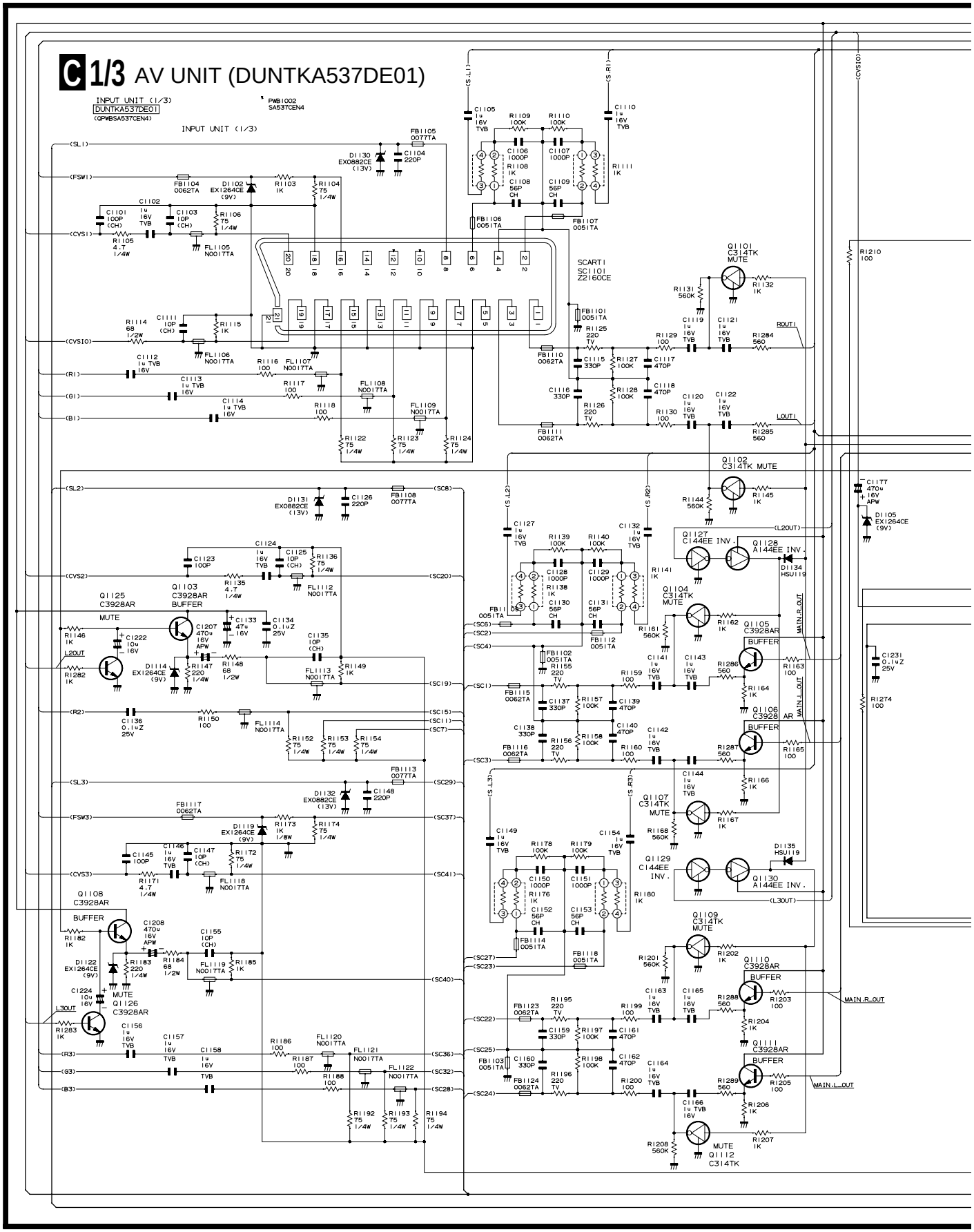
3.10 FRONT UNIT

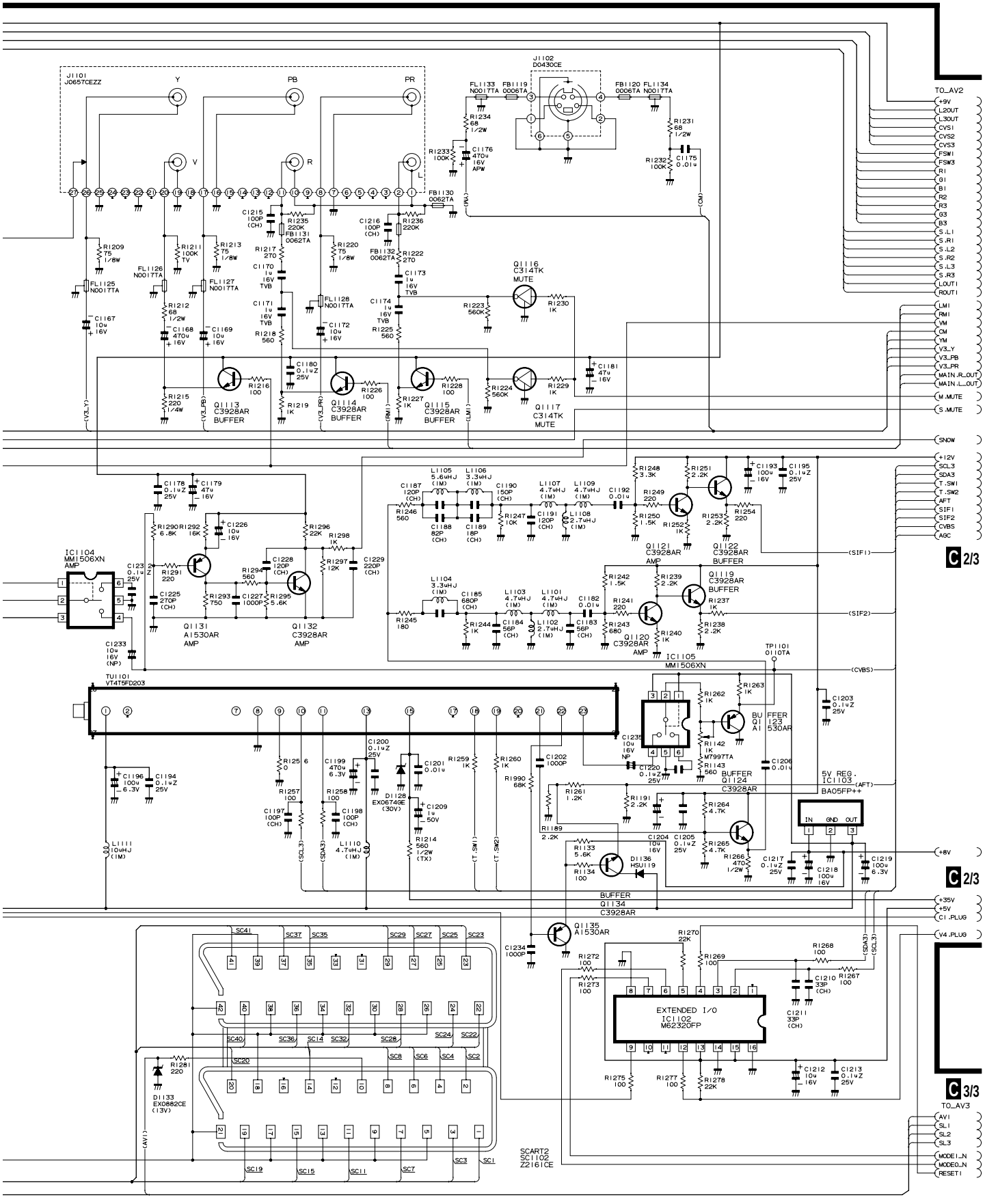



J3401
Z0102PEZZ
R3425
100
R3433
100
C3414
10P
(CH)
FL3412
N0017TA
C3415
10u
16V
R3445
4.7
1/4W
C3432
100P
(CH)
C3411
10u
16V
R3446
1K
C3412
10u
16V
FB3405
0062TA
R3428
1K
FB3406
0062TA
R3429
1K
R3447
1K
V
L
R
R34 27
0
C3430
56P
(CH)
C3431
56P
(CH)
C3433
1000P
R3430
100K
R3431
100K
C3434
1000P
C3416
0.1uZ
25V
R3432
75
1/8W
C3417
10P
(CH)
FB3407
0062TA
R3434
75
1/4W
FL3413
N0017TA
C3418
10u
16V
R3448
4.7
1/4W
C3435
100P
(CH)
FL3414
N0017TA
C3420
0.01u
C3421
0.01u
R3435
10K
R3436
270KF
C3422
0.01u
R3437
75
1/8W
C3423
0.1uZ
25V
P3402
N0428FJ
TO_AV2
1 V2_PLUG
2 V2_Y
3 GND
4 V2_C
5 GND
6 V2_SPLUG
7 V2_S2PLUG
8 V2_V
9 GND
10 V2_L
11 GND
12 V2_R
13 GND
14 5V(A)
15 PC_L
16 GND
17 PC_R
18 GND
PC_SIN
J3403
J0047CEZZ
FB3409
0062TA
R3456
1K
1/10W
R3455
1K
1/10W
C3427
10u
25V
APW
C3426
10u
25V
APW
C3436
1000P
C3437
1000P
C3428
100P
(CH)
R3442
100K
R3443
100K
C3429
100P
(CH)
FRONT UNIT
DUNTKA536DE01
(QPWBSA536CEN4)
*2
PWB1003
SA536CEN4
C2/3 P1301

3.11 AV UNIT (1/3)

PZ50MP2E AVIE

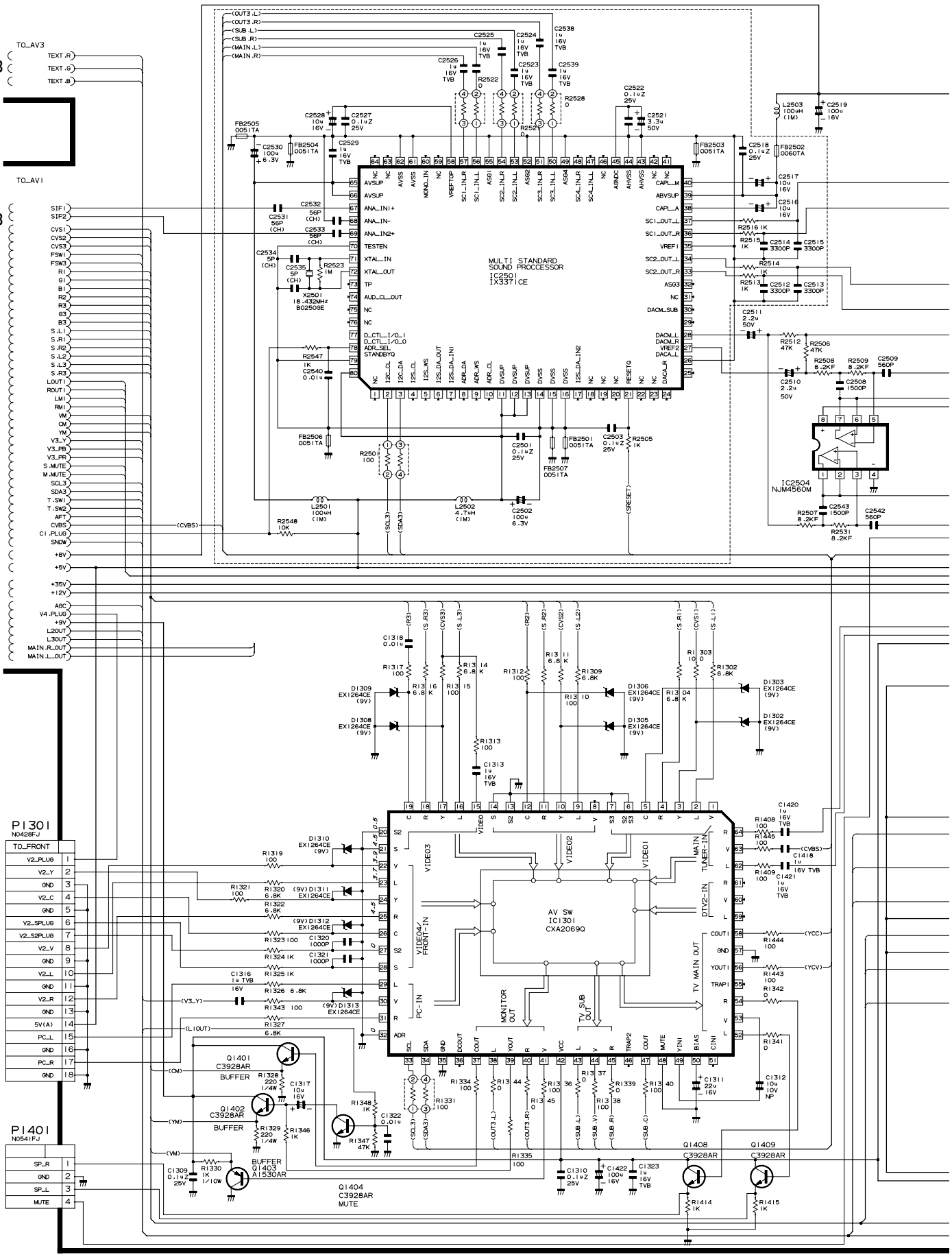


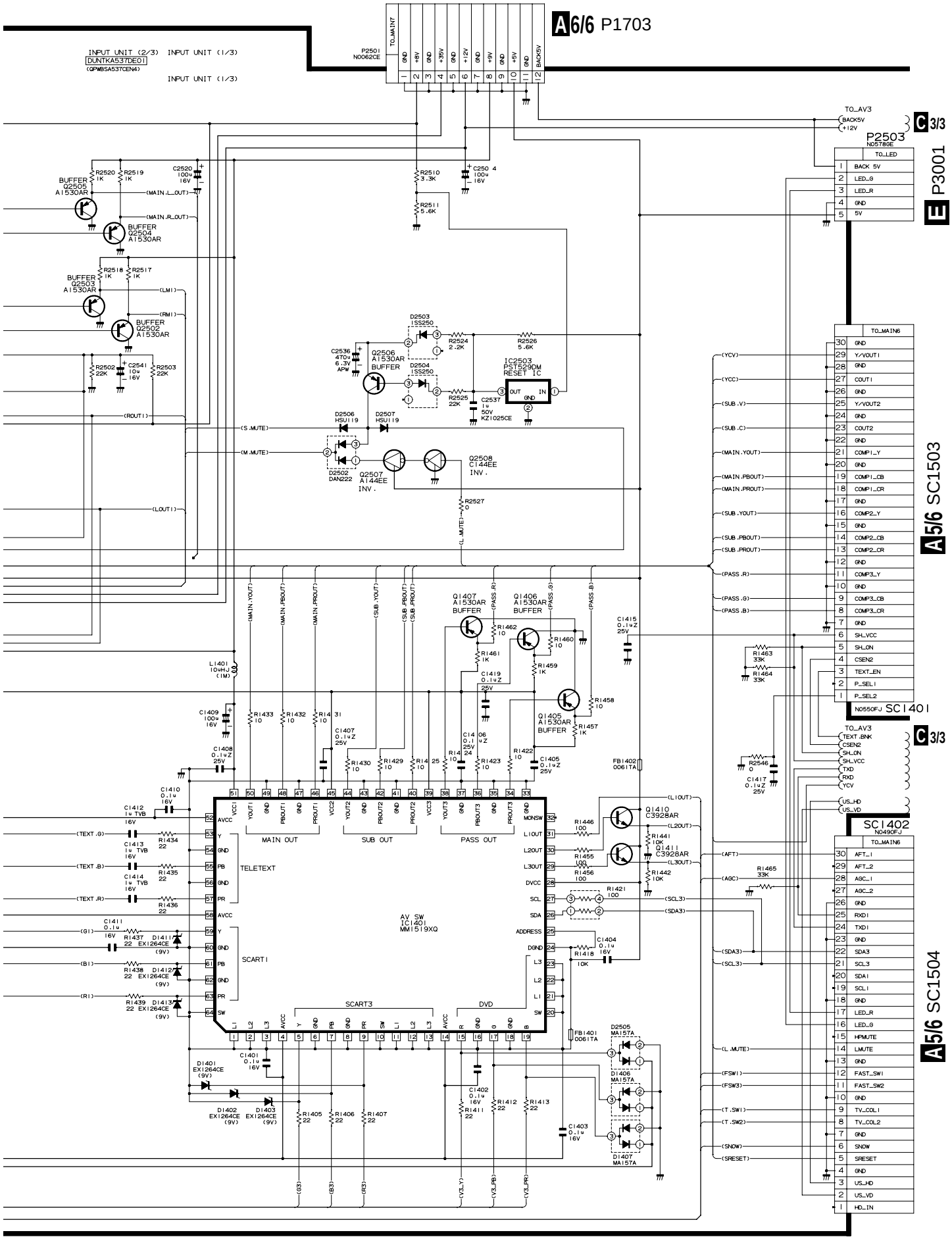

J1101
J0657CEZZ
Y
PB
PR
V
R
L
J1102
D0430CE
TO_AV2
+9V
L2OUT
L3OUT
CVS1
CVS2
CVS3
FSW1
FSW3
R1
G1
B1
R2
R3
G3
B3
S.L1
S.R1
S.L2
S.R2
S.L3
S.R3
LOUT1
ROUT1
LM1
RM1
VM
CM
YM
V3_Y
V3_PB
V3_PR
MAIN.R_OUT
MAIN.L_OUT
M.MUTE
S.MUTE
Q1116
C314TK
MUTE
Q1117
C314TK
MUTE
Q1113
C3928AR
BUFFER
Q1114
C3928AR
BUFFER
Q1115
C3928AR
BUFFER
IC1104
MM1506XN
AMP
Q1131
A1530AR
AMP
Q1132
C3928AR
AMP
IC1105
MM1506XN
Q1121
C3928AR
AMP
Q1122
C3928AR
BUFFER
Q1119
C3928AR
BUFFER
Q1120
C3928AR
AMP
TP1101
0110TA
(CVBS)
(SIF1)
(SIF2)
SNOW
+12V
SCL3
SDA3
T.SW1
T.SW2
AFT
SIF1
SIF2
CVBS
AGC
C 2/3
TU1101
VT4T5FD203
BUFFER
Q1123
A1530AR
BUFFER
Q1124
C3928AR
BUFFER
Q1134
C3928AR
Q1135
A1530AR
5V REG.
IC1103
BA05FP++
(AFT)
+8V
C 2/3
+35V
+5V
CI.PLUG
V4.PLUG
EXTENDED I/O
IC1102
M62320FP
C 3/3
TO_AV3
AV1
SL1
SL2
SL3
MODE1_N
MODE0_N
RESET1
SCART2
SC1102
Z2161CE
D1133
EX0882CE
(13V)
D1128
EX0674CE
(30V)
D1136
HSU119
C 1/3
41

3.12 AV UNIT (2/3)

PZ50MP2E AV2E

C 2/3 AV UNIT (DUNTKA537DE01)

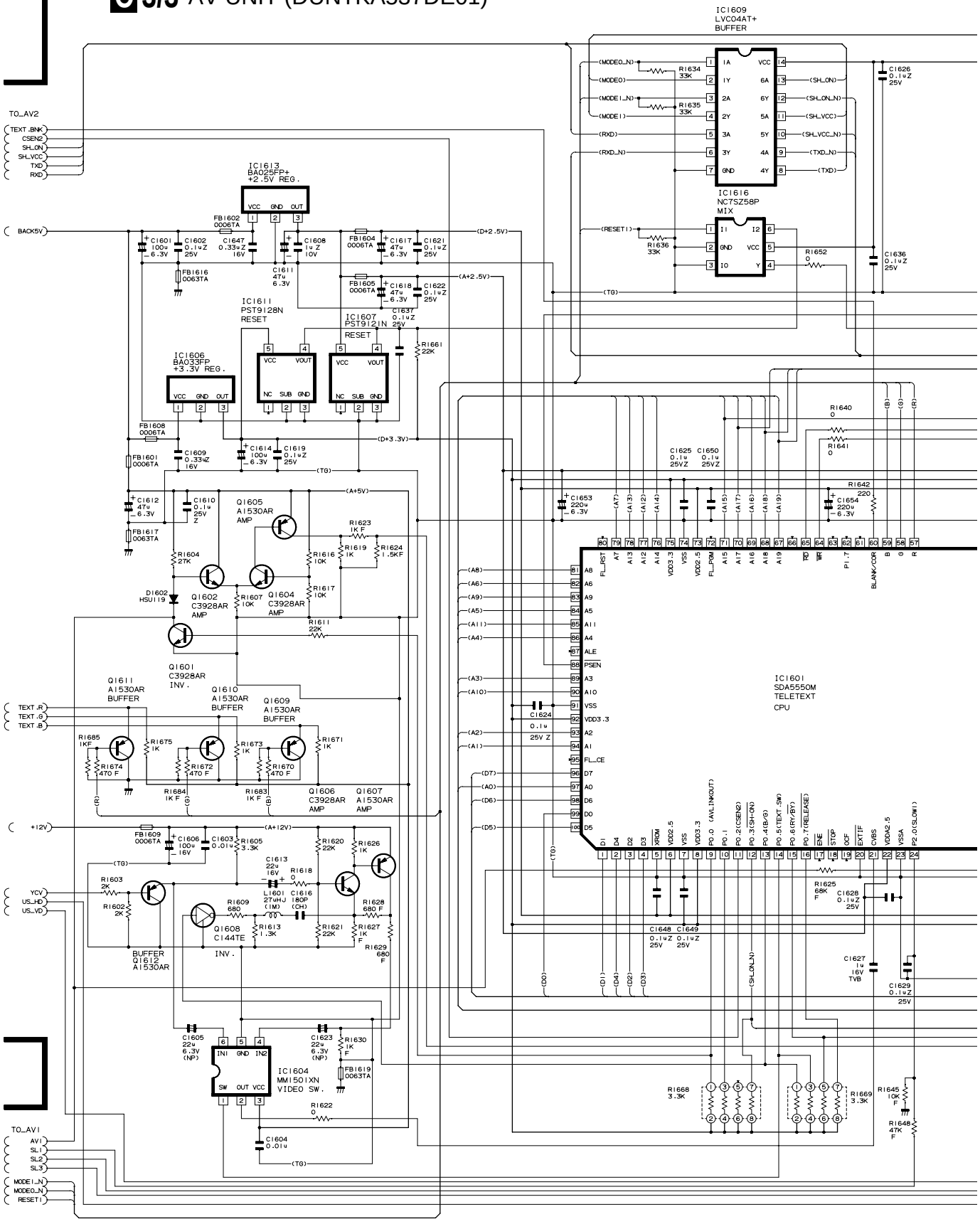


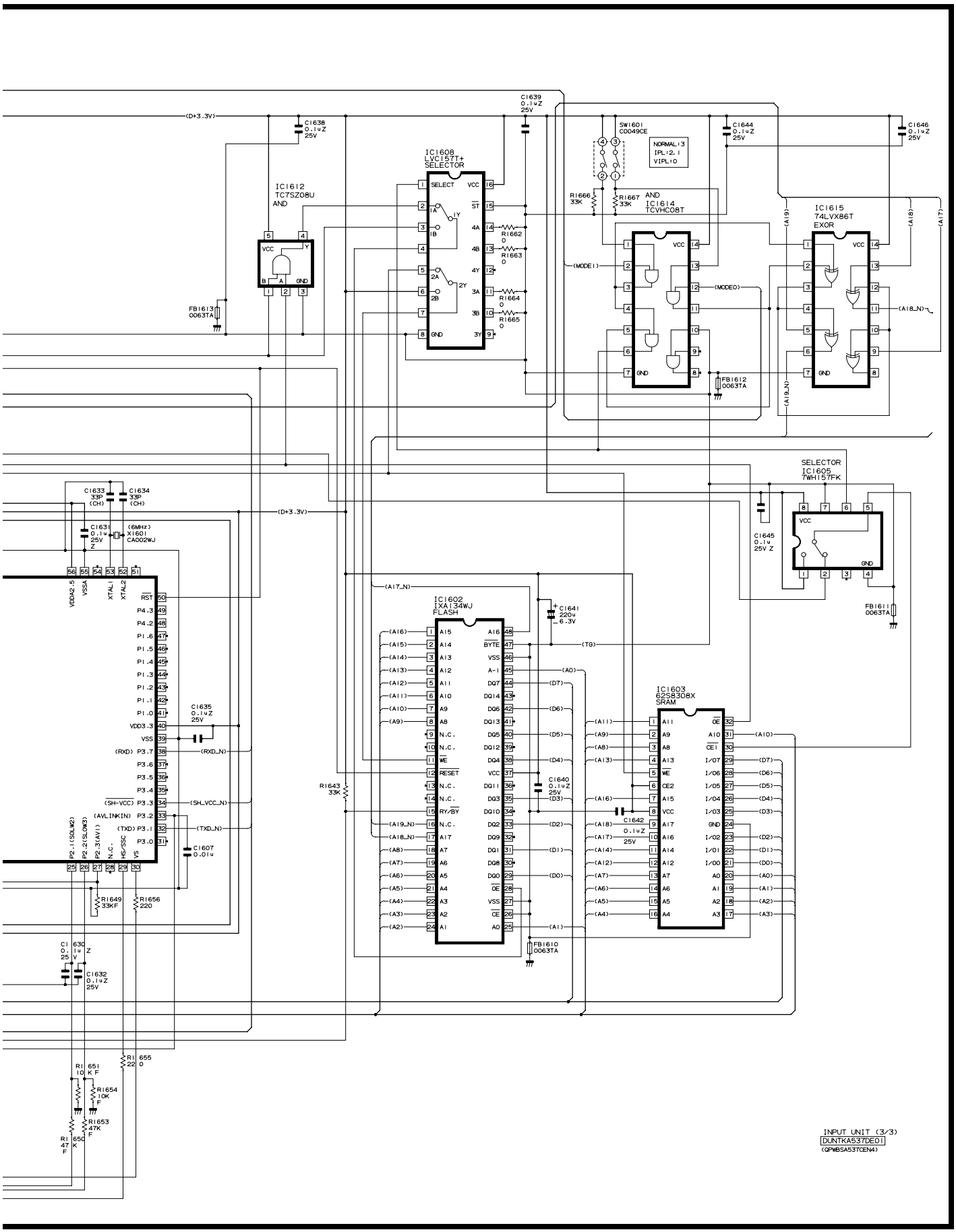

A6/6 P1703
P2501
N0062CE
TO_MAIN7
GND +8V GND +35V GND +12V GND +8V GND +5V GND BACK5V
INPUT UNIT (2/3) INPUT UNIT (1/3)
DUNTKA537DE01
(QPWBSA537CEN4)
INPUT UNIT (1/3)
TO_AV3
BACK5V
+12V
C 3/3
P2503
N0578GE
TO_LED
BACK 5V
LED_G
LED_R
GND
5V
E P3001
TO_MAIN6
GND
Y/VOUT1
COUT1
Y/VOUT2
COUT2
COMP1_Y
COMP1_CB
COMP1_CR
COMP2_Y
COMP2_CB
COMP2_CR
COMP3_Y
COMP3_CB
COMP3_CR
SH_VCC
SH_ON
CSEN2
TEXT_EN
P_SEL1
P_SEL2
A5/6 SC1503
N0550FJ SC1401
TO_AV3
TEXT_BNK
CSEN2
SH_ON
SH_VCC
TXD
RXD
YCV
US_HD
US_VD
C 3/3
SC1402
N0490FJ
TO_MAIN6
AFT_1
AFT_2
AGC_1
AGC_2
GND
RXD1
TXD1
GND
SDA3
SCL3
SDA1
SCL1
GND
LED_R
LED_G
HPMUTE
LMUTE
GND
FAST_SW1
FAST_SW2
GND
TV_COL1
TV_COL2
GND
SNOW
SRESET
GND
US_HD
US_VD
HD_IN
A5/6 SC1504
IC1401
MM1519XQ
AV SW
TELETEXT
SCART1
SCART3
DVD
MAIN OUT
SUB OUT
PASS OUT
BUFFER Q2505 A1530AR
BUFFER Q2504 A1530AR
BUFFER Q2503 A1530AR
BUFFER Q2502 A1530AR
Q2506 A1530AR BUFFER
Q1407 A1530AR BUFFER
Q1406 A1530AR BUFFER
Q1405 A1530AR BUFFER
IC2503 PST529DM RESET IC
Q2507 A1144EE INV.
Q2508 C144EE INV.
Q1410 C3928AR
Q1411 C3928AR
FB1402 0061TA
FB1401 0061TA
D2505 MA157A
D1406 MA157A
D1407 MA157A
D1401 EX1264CE (9V)
D1402 EX1264CE (9V)
D1403 EX1264CE (9V)
D1411 EX1264CE (9V)
D1412 EX1264CE (9V)
D1413 EX1264CE (9V)
C 2/3
43

3.13 AV UNIT (3/3)

PZ50MP2E AV3E

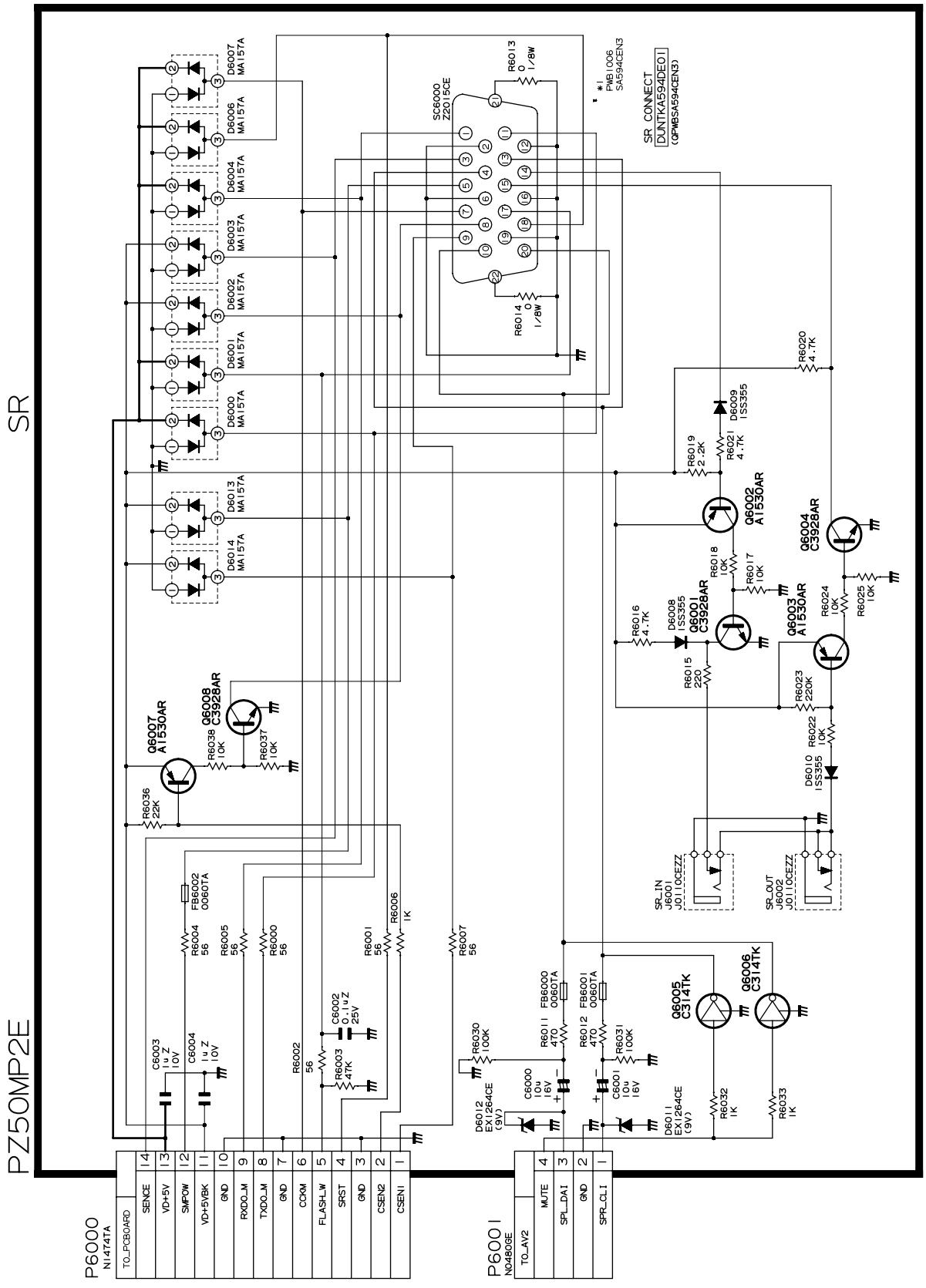
C 3/3 AV UNIT (DUNTKA537DE01)




IC1608
LVC157T+
SELECTOR
IC1612
TC7SZ08U
AND
IC1614
TCVHC08T
AND
IC1615
74LVX86T
EXOR
SW1601
C0049CE
NORMAL:3
IPL:2.1
VIPL:0
IC1602
IXA134WJ
FLASH
IC1603
62S8308X
SRAM
SELECTOR
IC1605
7WH157FK
X1601
C0002WJ
(6MHz)
(D+3.3V)
(MODE1)
(MODE0)
(A19_N)
(A18_N)
(A17_N)
(RXD_N)
(TXD_N)
(SH_VCC_N)
(TG)
INPUT UNIT (3/3)
DUNTKA537DE01
(QPWBSA537CEN4)

3.14 SR CONNECT UNIT

D SR CONNECT UNIT (DUNTKA594DE01)

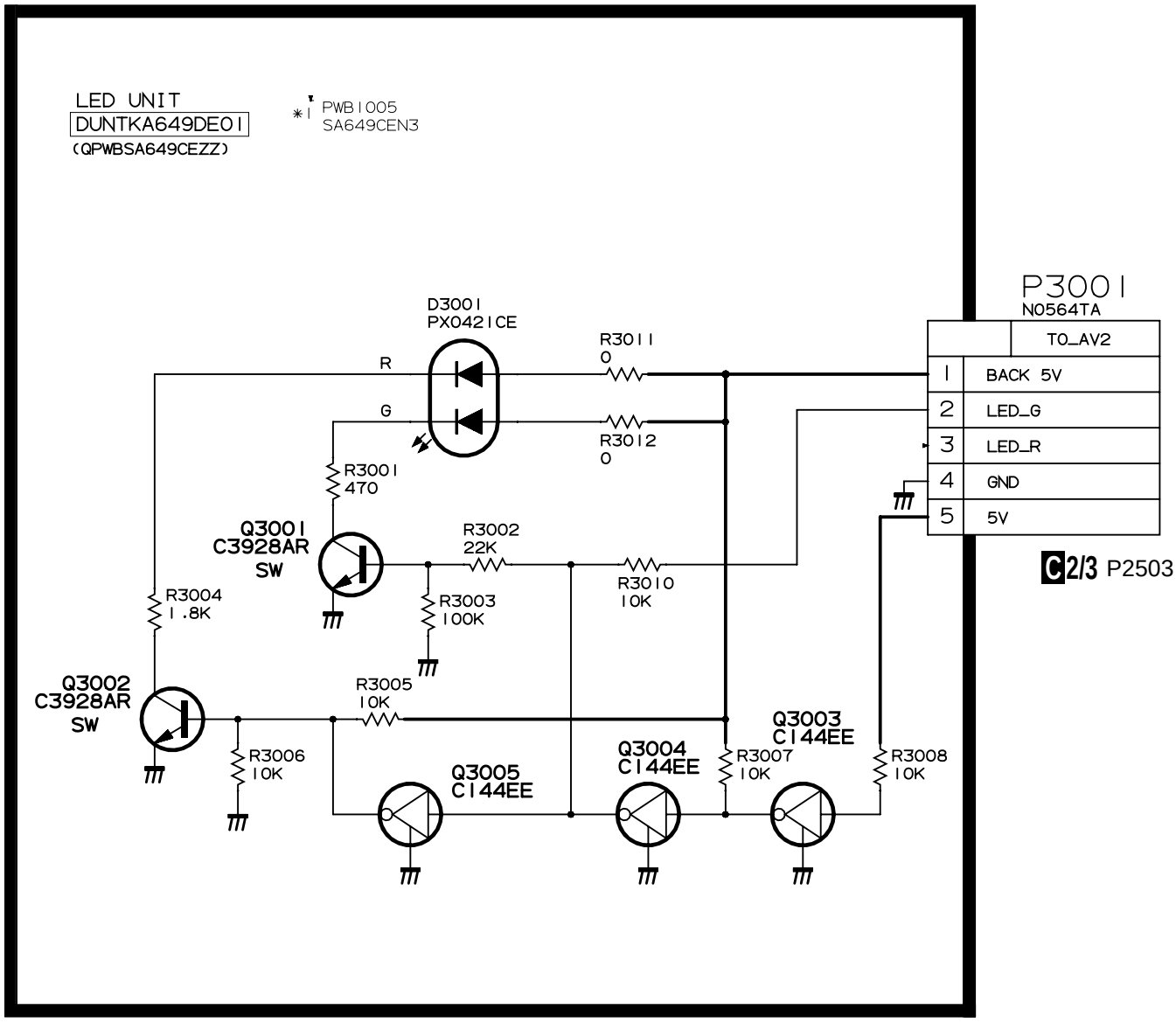


F 7/7 CN1 **C 2/3** P2502

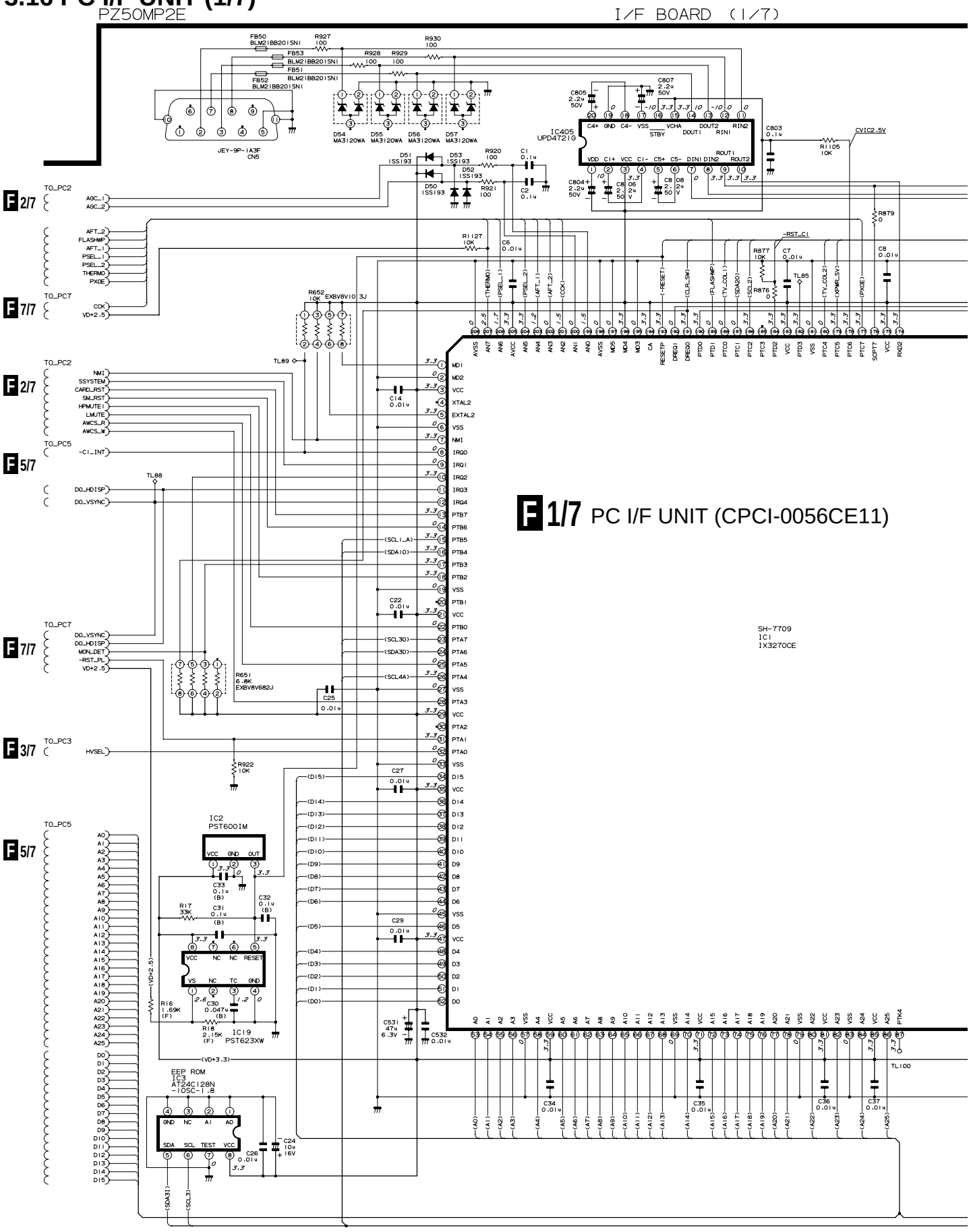
3.15 LED UNIT

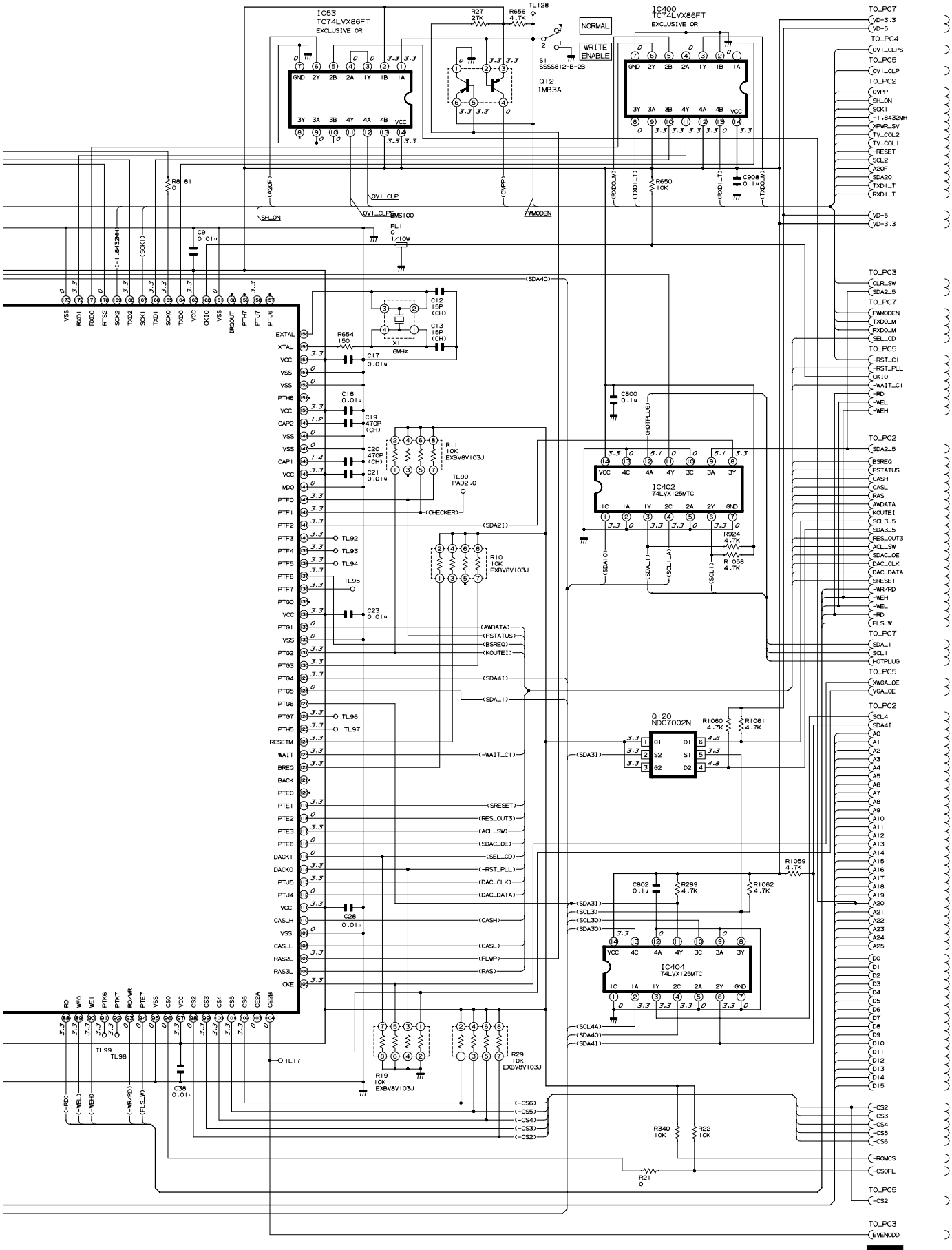
E LED UNIT (DUNTKA649DE01)

PZ50MP2E LED



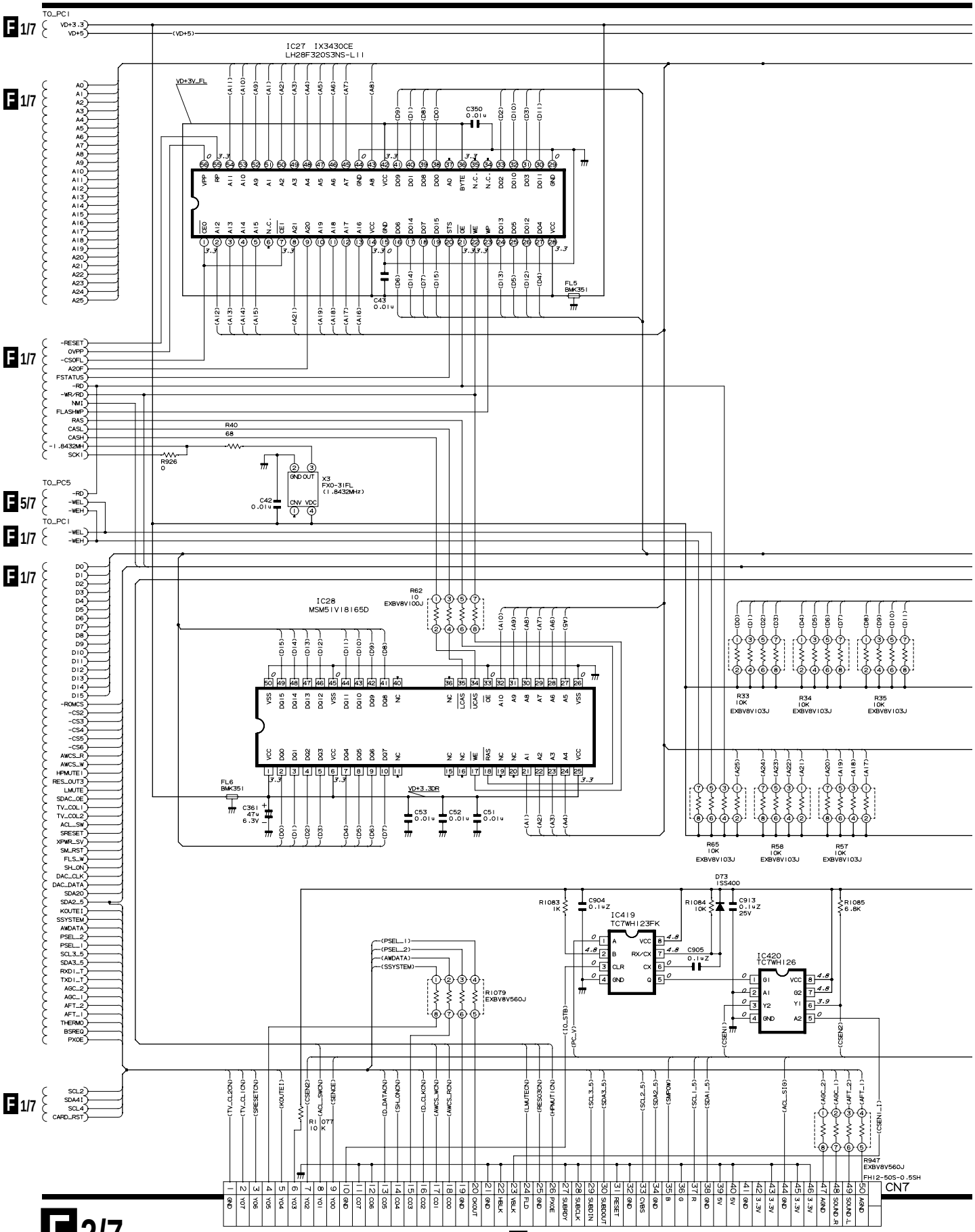
3.16 PC I/F UNIT (1/7)



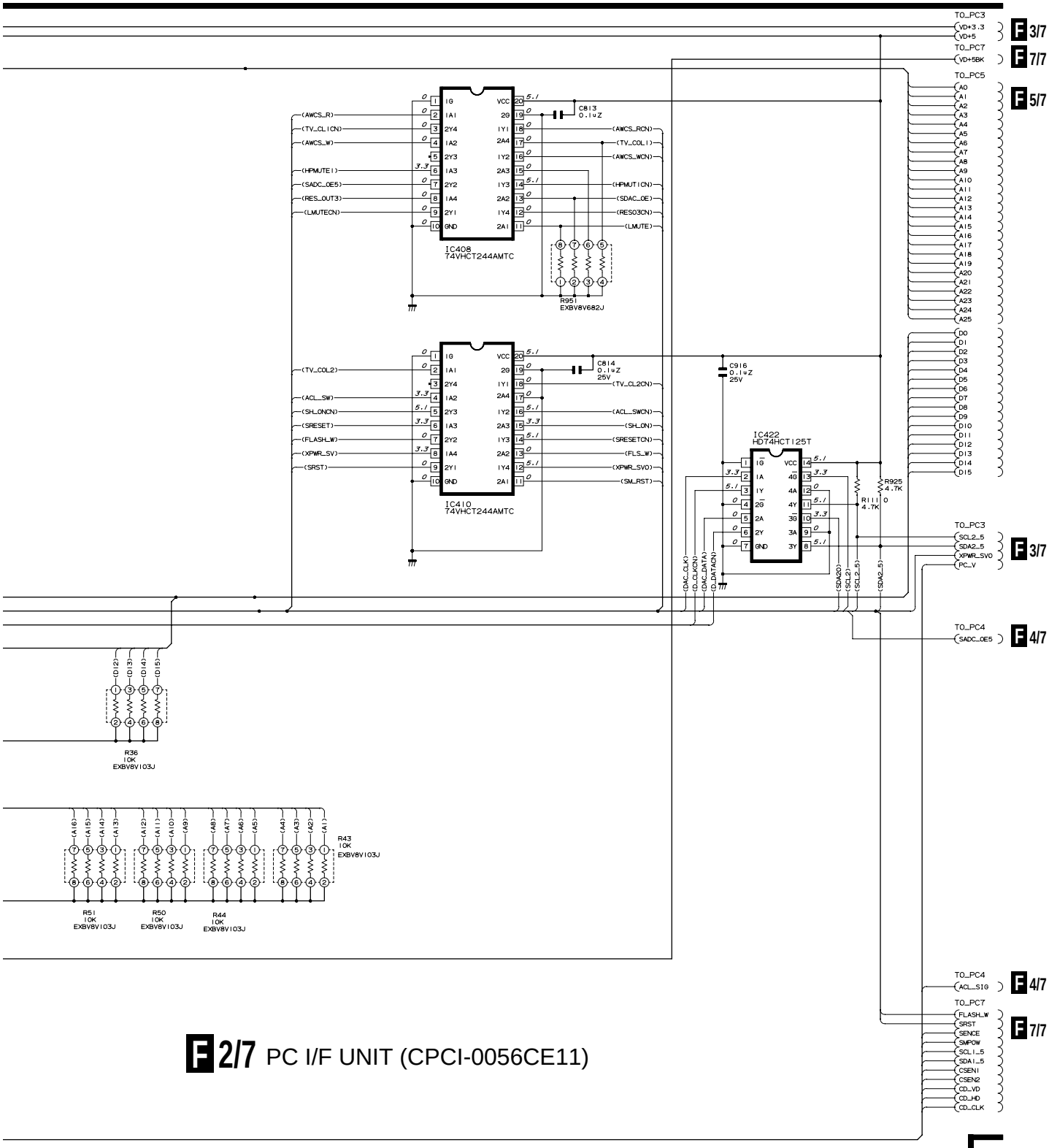

IC53
TC74LVX86FT
EXCLUSIVE OR
IC400
TC74LVX86FT
EXCLUSIVE OR
NORMAL
WRITE ENABLE
SI
SSSS812-B-2B
Q12
IMB3A
IC402
74LVX125MTC
IC404
74LVX125MTC
Q120
NDC7002N
XI
6MHz
TL90
PAD2.0
TL92
TL93
TL94
TL95
TL96
TL97
TL98
TL99
TL17
(CHECKER)
TO_PC7
TO_PC4
TO_PC5
TO_PC2
TO_PC3
F 7/7
F 4/7
F 5/7
F 2/7
F 3/7
A
B
C
D

3.17 PC I/F UNIT (2/7)

PZ50MP2E I/F BOARD (2/7)



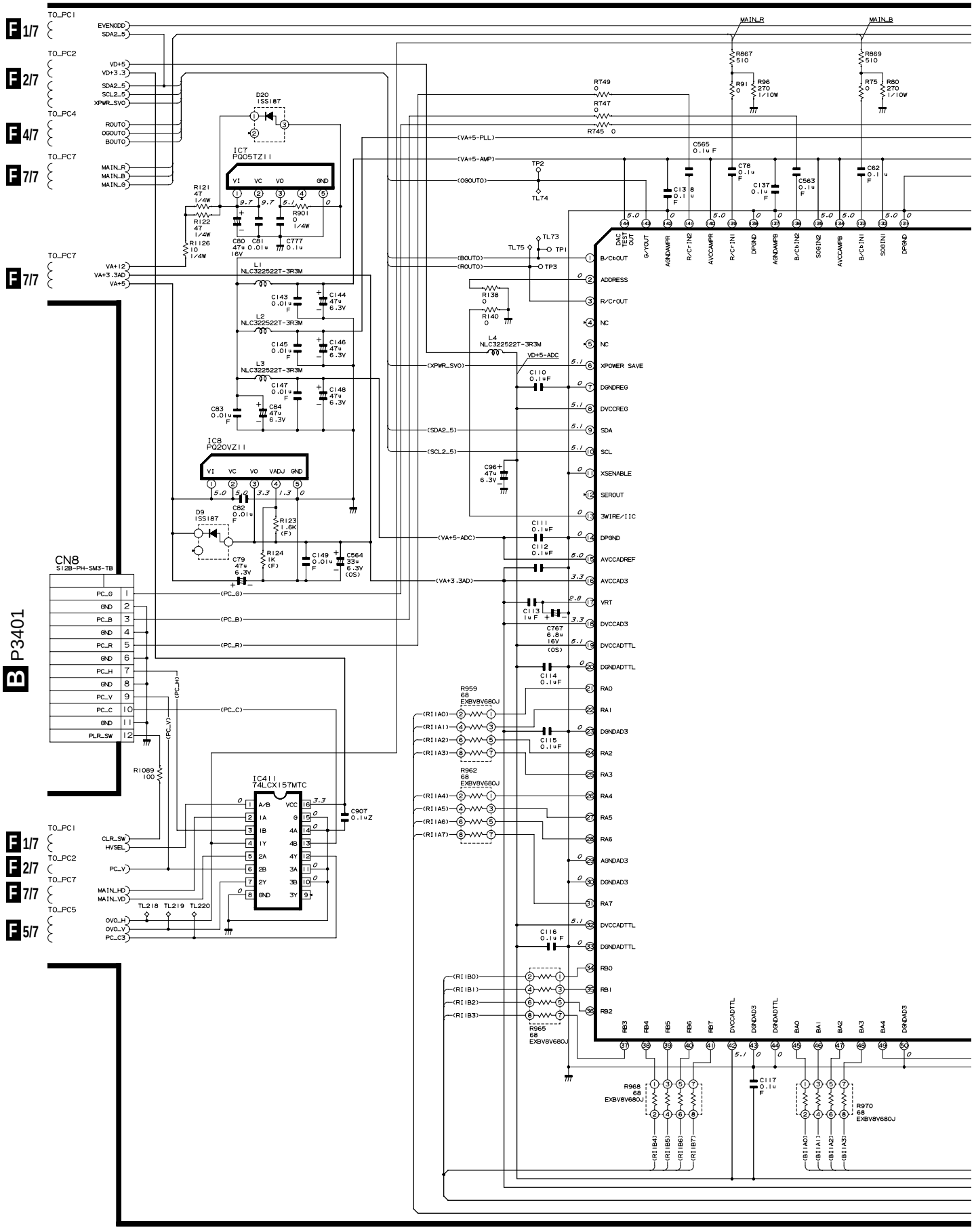
CPCI-0056CE11 CPCI-0058CE01

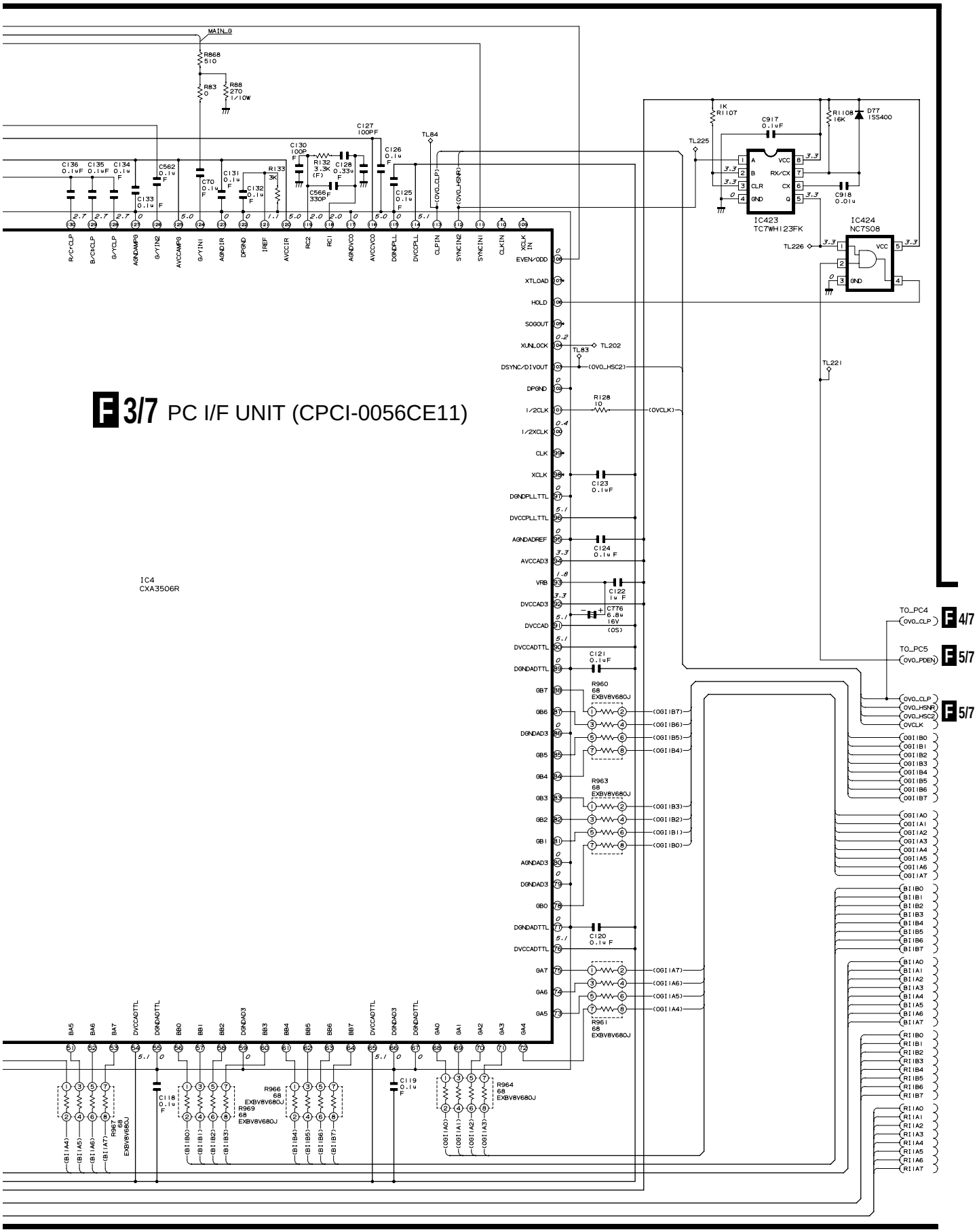


F 2/7 PC I/F UNIT (CPCI-0056CE11)

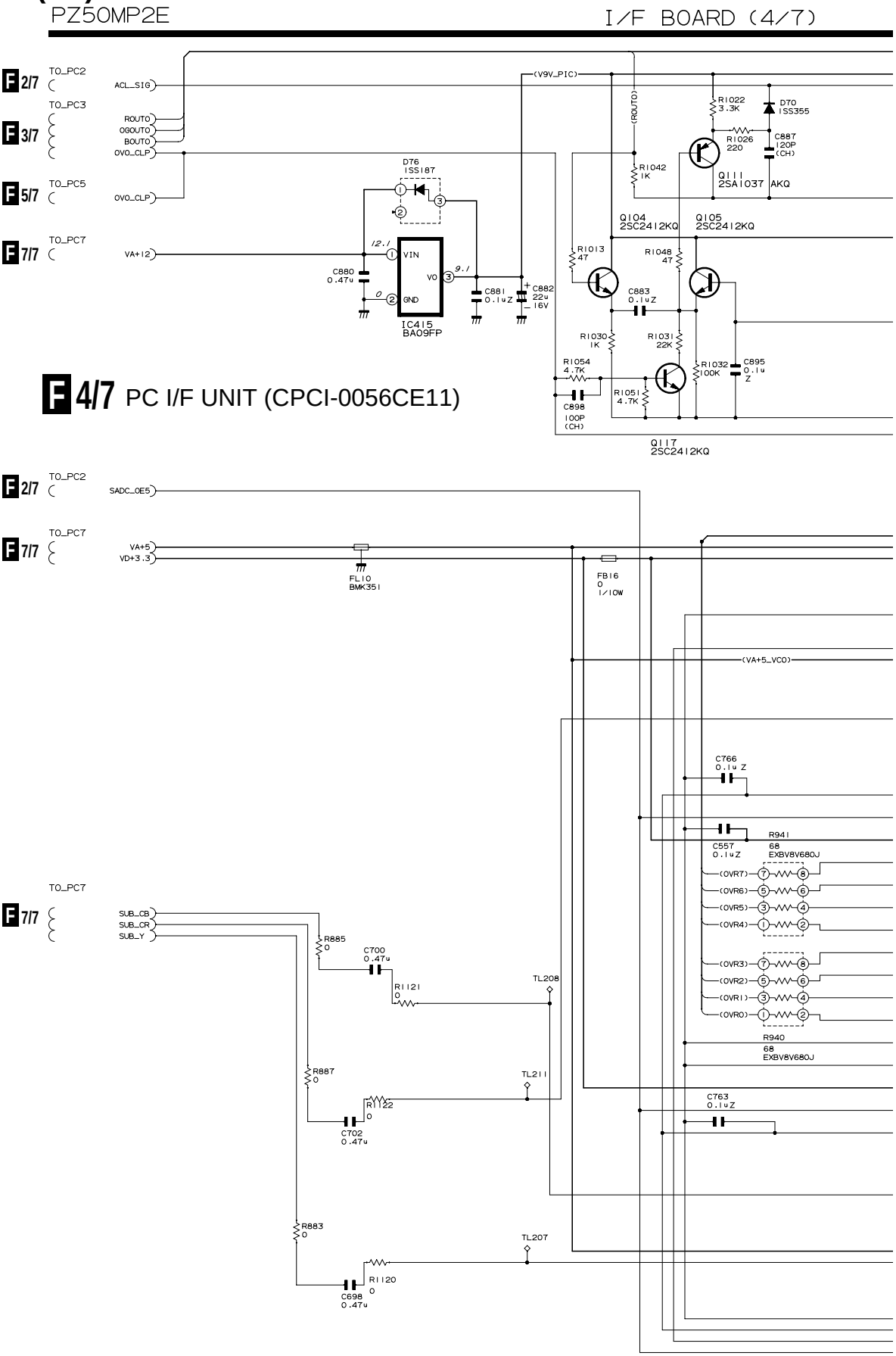
3.18 PC I/F UNIT (3/7)

PZ50MP2E I/F BOARD (3/7)

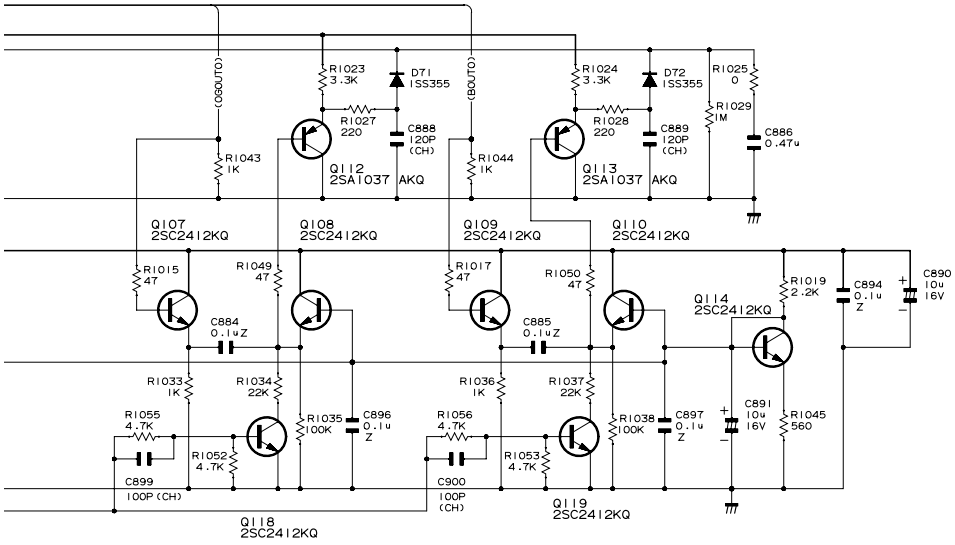


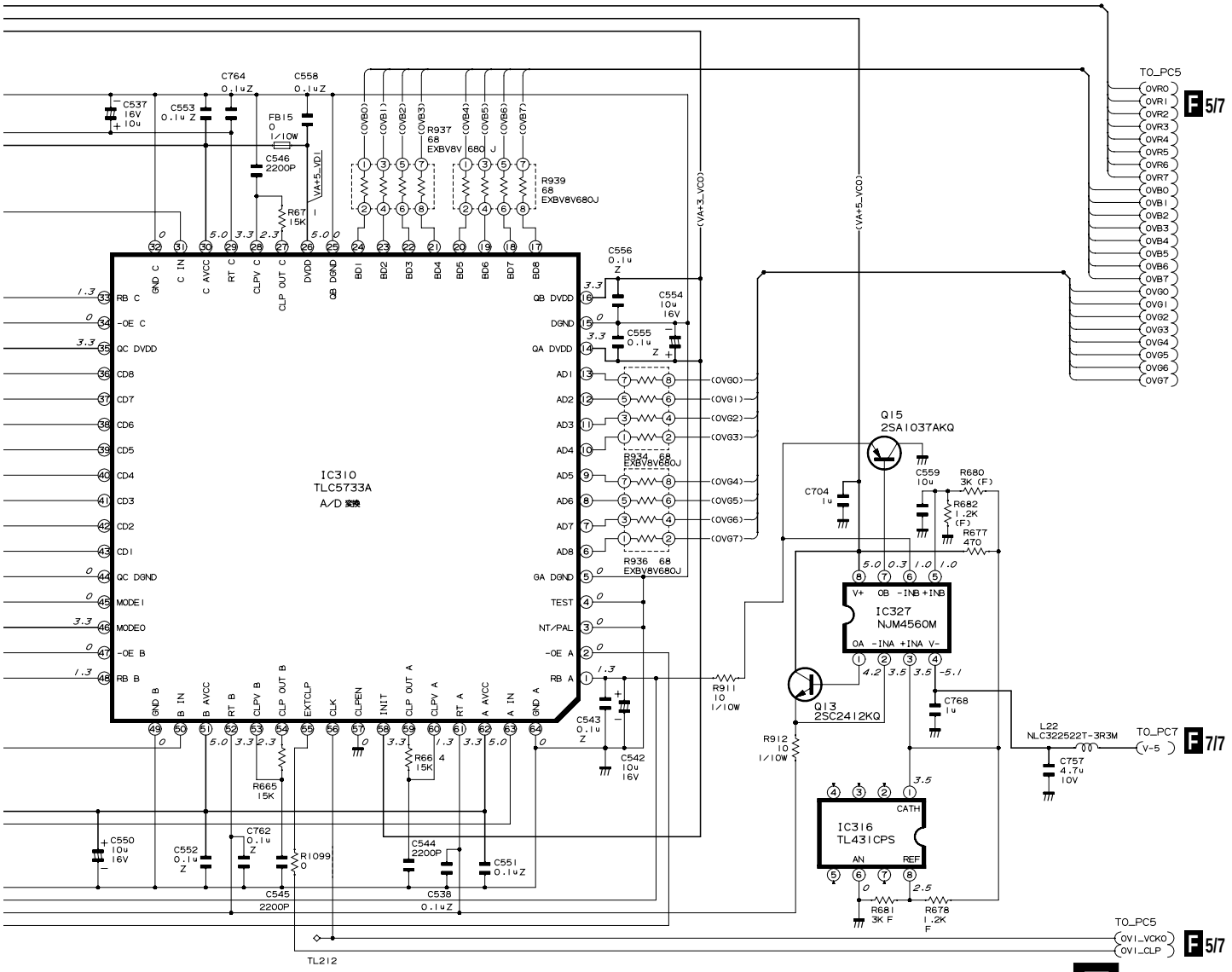

F 3/7 PC I/F UNIT (CPCI-0056CE11)
IC4
CXA3506R
IC423
TC7WH123FK
IC424
NC7S08
MAIN_G
TO_PC4 (OVO_CLP) F 4/7
TO_PC5 (OVO_PDEN) F 5/7
(OVO_CLP) F 5/7
(OVO_HSNR)
(OVO_HSC2)
(OVCLK)

3.19 PC I/F UNIT (4/7)



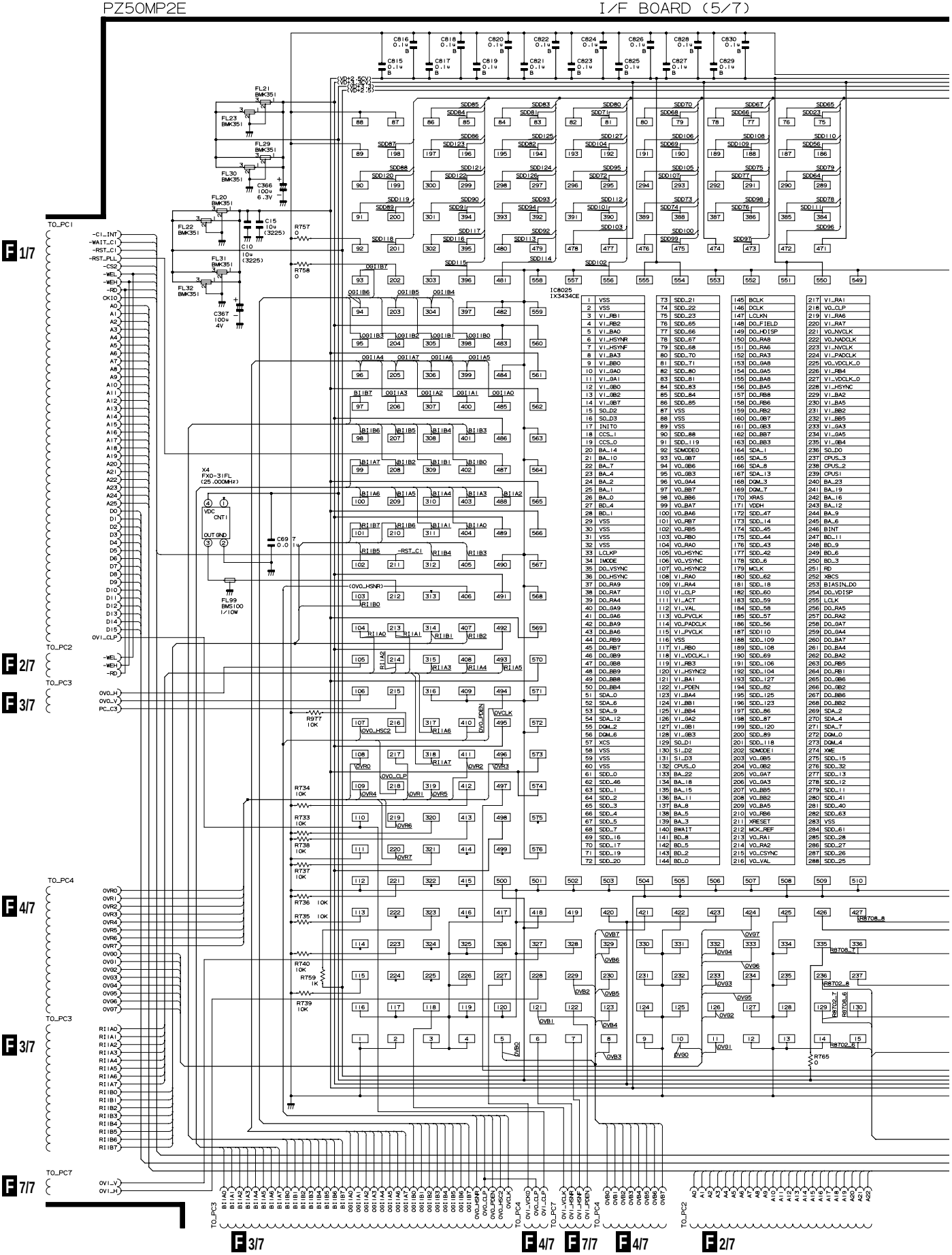
CPCI-0056CE11 CPCI-0058CE01



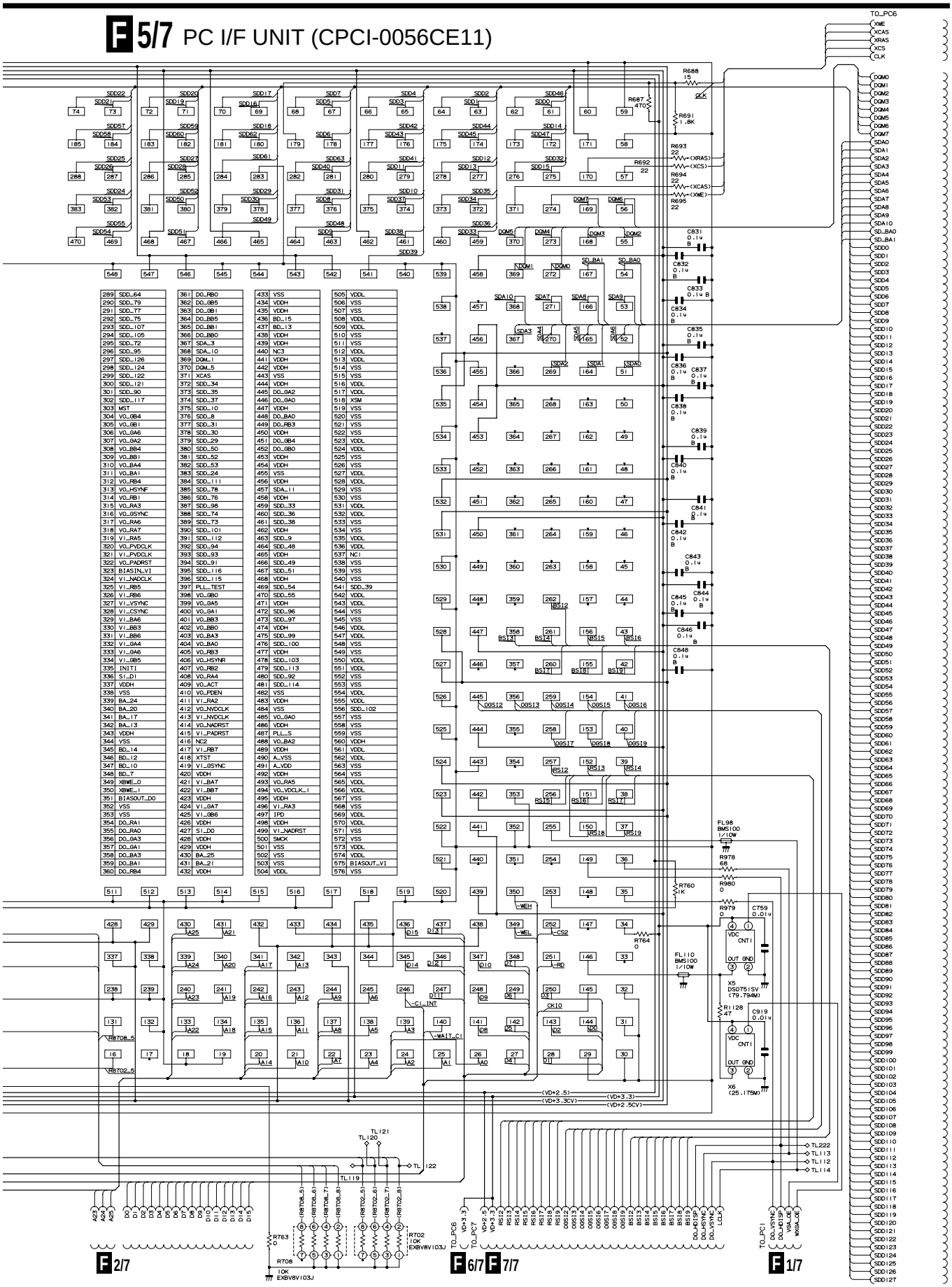


PDP-R03E

3.20 PC I/F UNIT (5/7)

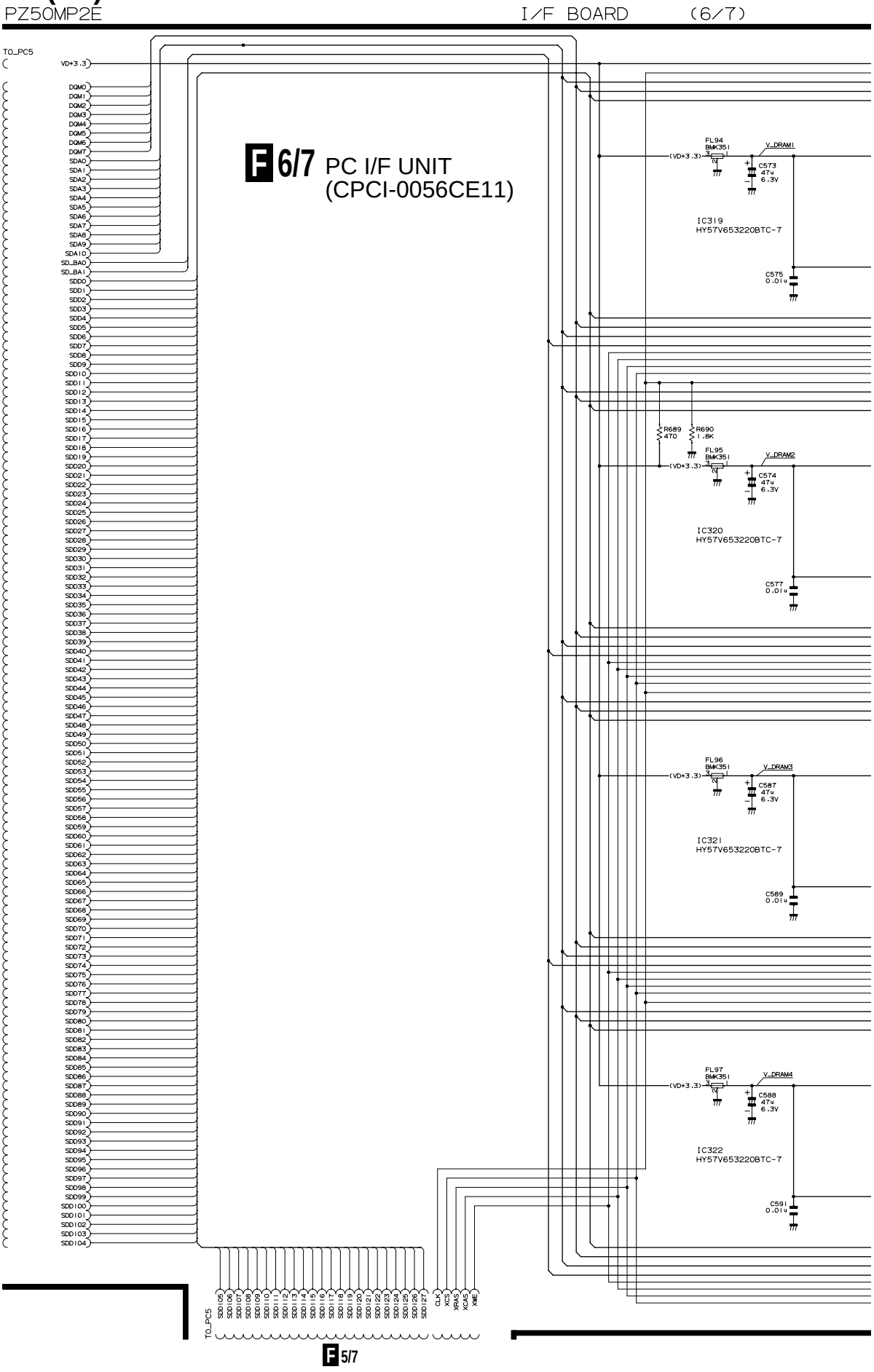


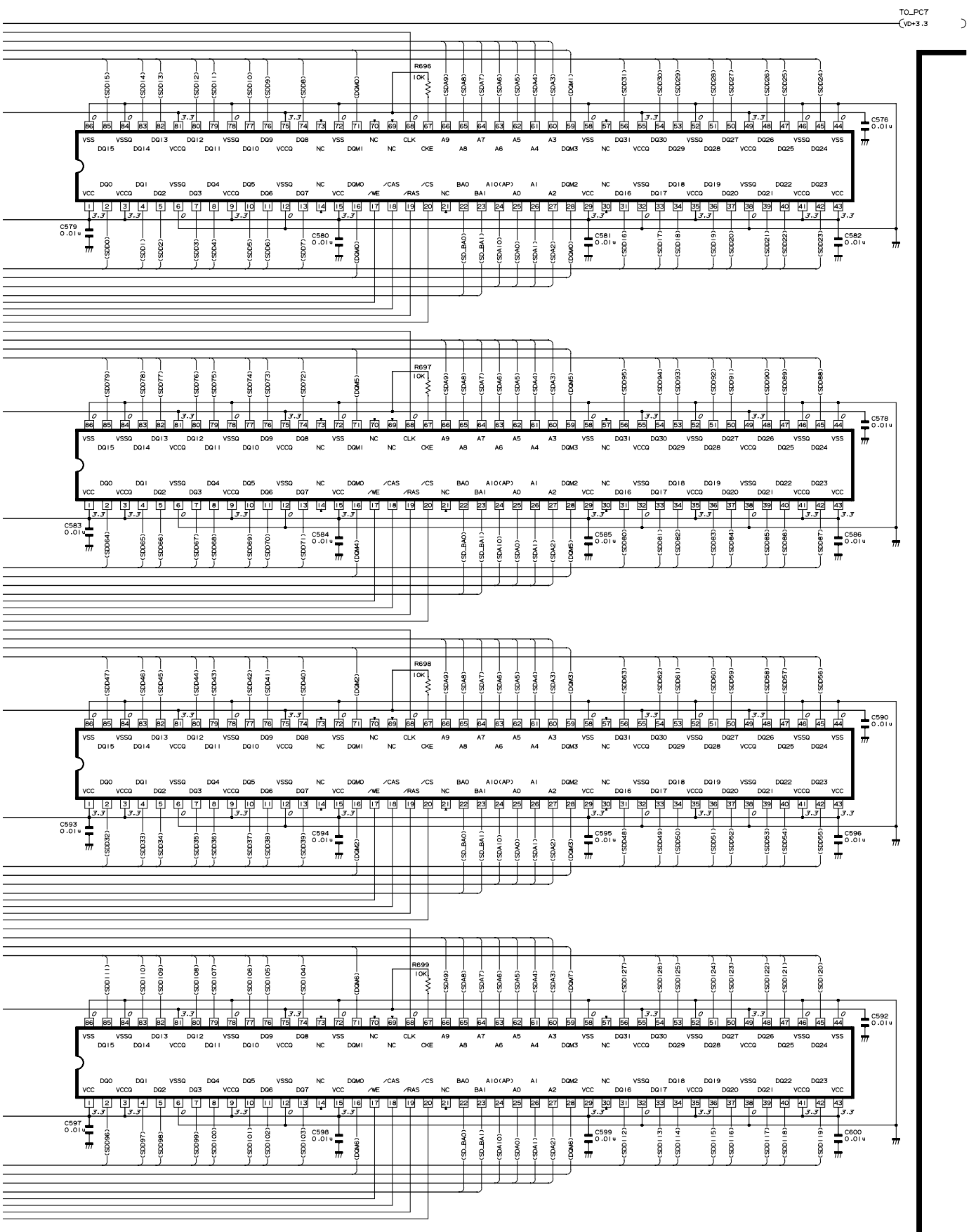
F 5/7 PC I/F UNIT (CPCI-0056CE11)



289 SDD_64	361 DO_RB0	433 VSS	505 VDDL
290 SDD_79	362 DO_GB5	434 VDDH	506 VSS
291 SDD_77	363 DO_GB1	435 VDDH	507 VSS
292 SDD_75	364 DO_BB5	436 BD_15	508 VDDL
293 SDD_107	365 DO_BB1	437 BD_13	509 VDDL
294 SDD_105	366 DO_BB0	438 VDDH	510 VSS
295 SDD_72	367 SDA_3	439 VDDH	511 VSS
296 SDD_95	368 SDA_10	440 NC3	512 VDDL
297 SDD_126	369 DQM_1	441 VDDH	513 VDDL
298 SDD_124	370 DQM_5	442 VDDH	514 VSS
299 SDD_122	371 XCAS	443 VSS	515 VSS
300 SDD_121	372 SDD_34	444 VDDH	516 VDDL
301 SDD_90	373 SDD_35	445 DO_GA2	517 VDDL
302 SDD_117	374 SDD_37	446 DO_GA0	518 XSM
303 MST	375 SDD_10	447 VDDH	519 VSS
304 VO_GB4	376 SDD_8	448 DO_BA0	520 VSS
305 VO_GB1	377 SDD_31	449 DO_RB3	521 VSS
306 VO_GA6	378 SDD_30	450 VDDH	522 VSS
307 VO_GA2	379 SDD_29	451 DO_GB4	523 VDDL
308 VO_BB4	380 SDD_50	452 DO_GB0	524 VDDL
309 VO_BB1	381 SDD_52	453 VDDH	525 VSS
310 VO_BA4	382 SDD_53	454 VDDH	526 VSS
311 VO_BA1	383 SDD_24	455 VSS	527 VDDL
312 VO_RB4	384 SDD_111	456 VDDH	528 VDDL
313 VO_HSYNF	385 SDD_78	457 SDA_11	529 VSS
314 VO_RB1	386 SDD_76	458 VDDH	530 VSS
315 VO_RA3	387 SDD_98	459 SDD_33	531 VDDL
316 VO_GSYNC	388 SDD_74	460 SDD_36	532 VDDL
317 VO_RA6	389 SDD_73	461 SDD_38	533 VSS
318 VO_RA7	390 SDD_101	462 VDDH	534 VSS
319 VI_RA5	391 SDD_112	463 SDD_9	535 VDDL
320 VO_PVDCLK	392 SDD_94	464 SDD_48	536 VDDL
321 VI_PVDCLK	393 SDD_93	465 VDDH	537 NC1
322 VO_PADRST	394 SDD_91	466 SDD_49	538 VSS
323 BIASIN_VI	395 SDD_116	467 SDD_51	539 VSS
324 VI_NADCLK	396 SDD_115	468 VDDH	540 VSS
325 VI_RB5	397 PLL_TEST	469 SDD_54	541 SDD_39
326 VI_RB6	398 VO_GB0	470 SDD_55	542 VDDL
327 VI_VSYNC	399 VO_GA5	471 VDDH	543 VDDL
328 VI_CSYNC	400 VO_GA1	472 SDD_96	544 VSS
329 VI_BA6	401 VO_BB3	473 SDD_97	545 VSS
330 VI_BB3	402 VO_BB0	474 VDDH	546 VDDL
331 VI_BB6	403 VO_BA3	475 SDD_99	547 VDDL
332 VI_BA4	404 VO_BA0	476 SDD_100	548 VSS
333 VI_GA6	405 VO_RB3	477 VDDH	549 VSS
334 VI_GB5	406 VO_HSYNR	478 SDD_103	550 VDDL
335 INITI	407 VO_RB2	479 SDD_113	551 VDDL
336 SI_DI	408 VO_RA4	480 SDD_92	552 VSS
337 VDDH	409 VO_ACT	481 SDD_114	553 VSS
338 VSS	410 VO_PDEN	482 VSS	554 VDDL
339 BA_24	411 VI_RA2	483 VDDH	555 VDDL
340 BA_20	412 VO_NVDCLK	484 VSS	556 SDD_102
341 BA_17	413 VI_NVDCLK	485 VO_GA0	557 VSS
342 BA_13	414 VO_NADRST	486 VDDH	558 VSS
343 VDDH	415 VI_PADRST	487 PLL_5	559 VSS
344 VSS	416 NC2	488 VO_BA2	560 VDDH
345 BD_14	417 VI_RB7	489 VDDH	561 VDDL
346 BD_12	418 XTST	490 A_VSS	562 VDDL
347 BD_10	419 VI_GSYNC	491 A_VDD	563 VSS
348 BD_7	420 VDDH	492 VDDH	564 VSS
349 XBWE_0	421 VI_BA7	493 VO_RA5	565 VDDL
350 XBWE_1	422 VI_BB7	494 VO_VDCLK_I	566 VDDL
351 BIASOUT_DO	423 VDDH	495 VDDH	567 VSS
352 VSS	424 VI_GA7	496 VI_RA3	568 VSS
353 VSS	425 VI_GB6	497 IPD	569 VDDL
354 DO_RA1	426 VDDH	498 VDDH	570 VDDL
355 DO_RA0	427 SI_DO	499 VI_NADRST	571 VSS
356 DO_GA3	428 VDDH	500 SMOX	572 VSS
357 DO_GA1	429 VDDH	501 VSS	573 VDDL
358 DO_BA3	430 BA_25	502 VSS	574 VDDL
359 DO_BA1	431 BA_21	503 VSS	575 BIASOUT_VI
360 DO_RB4	432 VDDH	504 VDDL	576 VSS

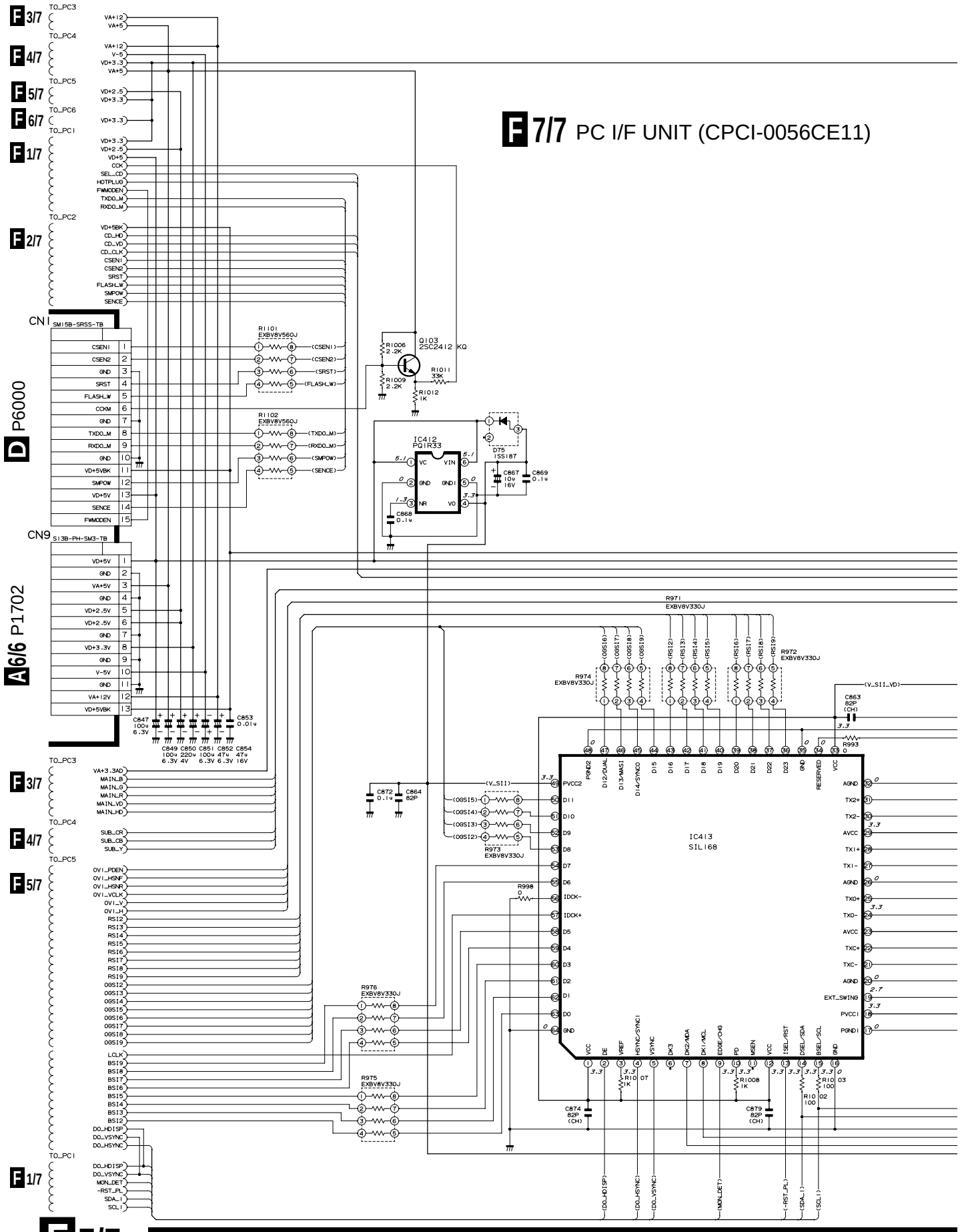
3.21 PC I/F UNIT (6/7)



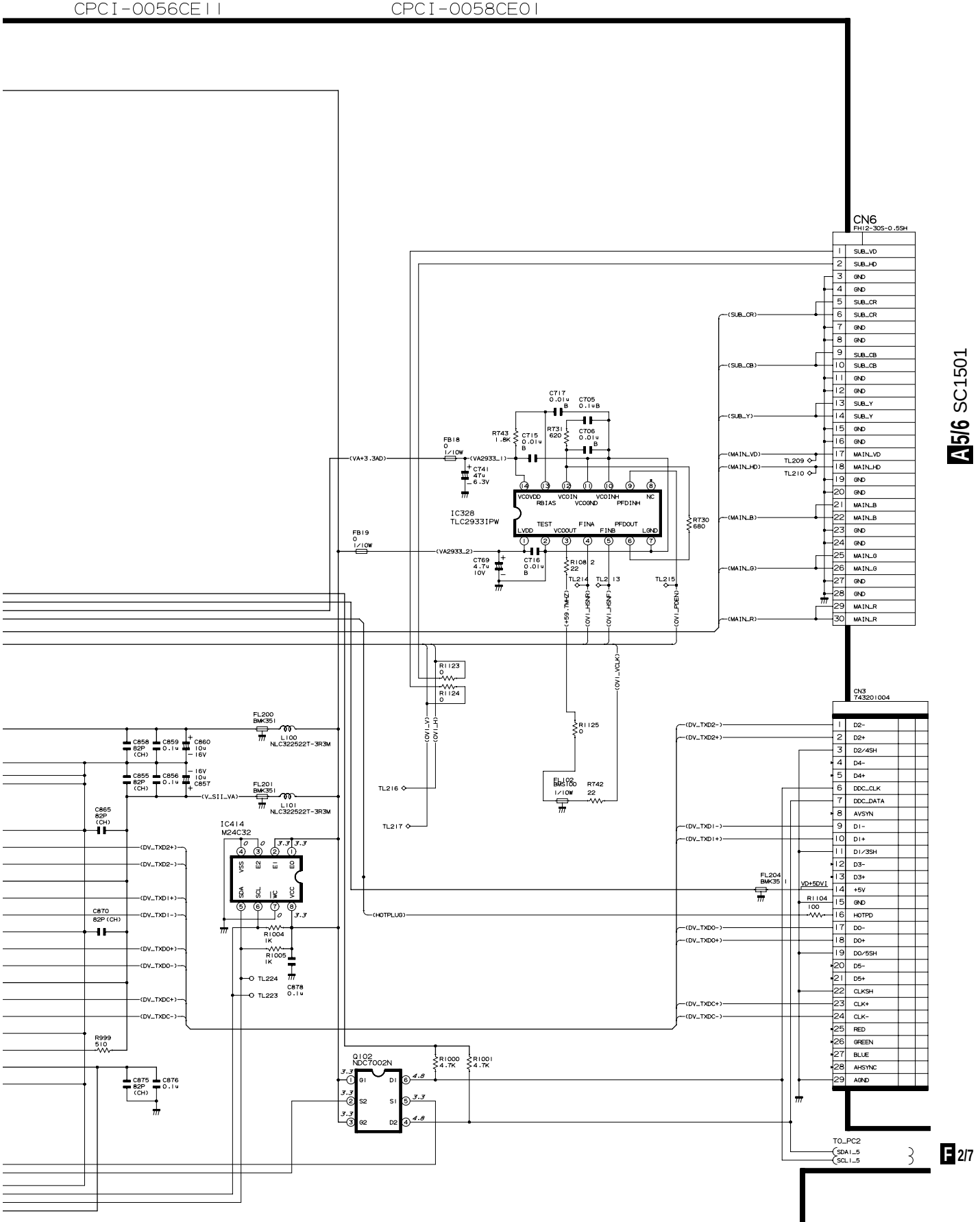

TO_PC7
VD+3.3
F 7/7
R696
10K
R697
10K
R698
10K
R699
10K
C576 0.01u
C578 0.01u
C590 0.01u
C592 0.01u
C579 0.01u
C580 0.01u
C581 0.01u
C582 0.01u
C583 0.01u
C584 0.01u
C585 0.01u
C586 0.01u
C593 0.01u
C594 0.01u
C595 0.01u
C596 0.01u
C597 0.01u
C598 0.01u
C599 0.01u
C600 0.01u

3.22 PC I/F UNIT (7/7)

F 7/7 PC I/F UNIT (CPCI-0056CE11)



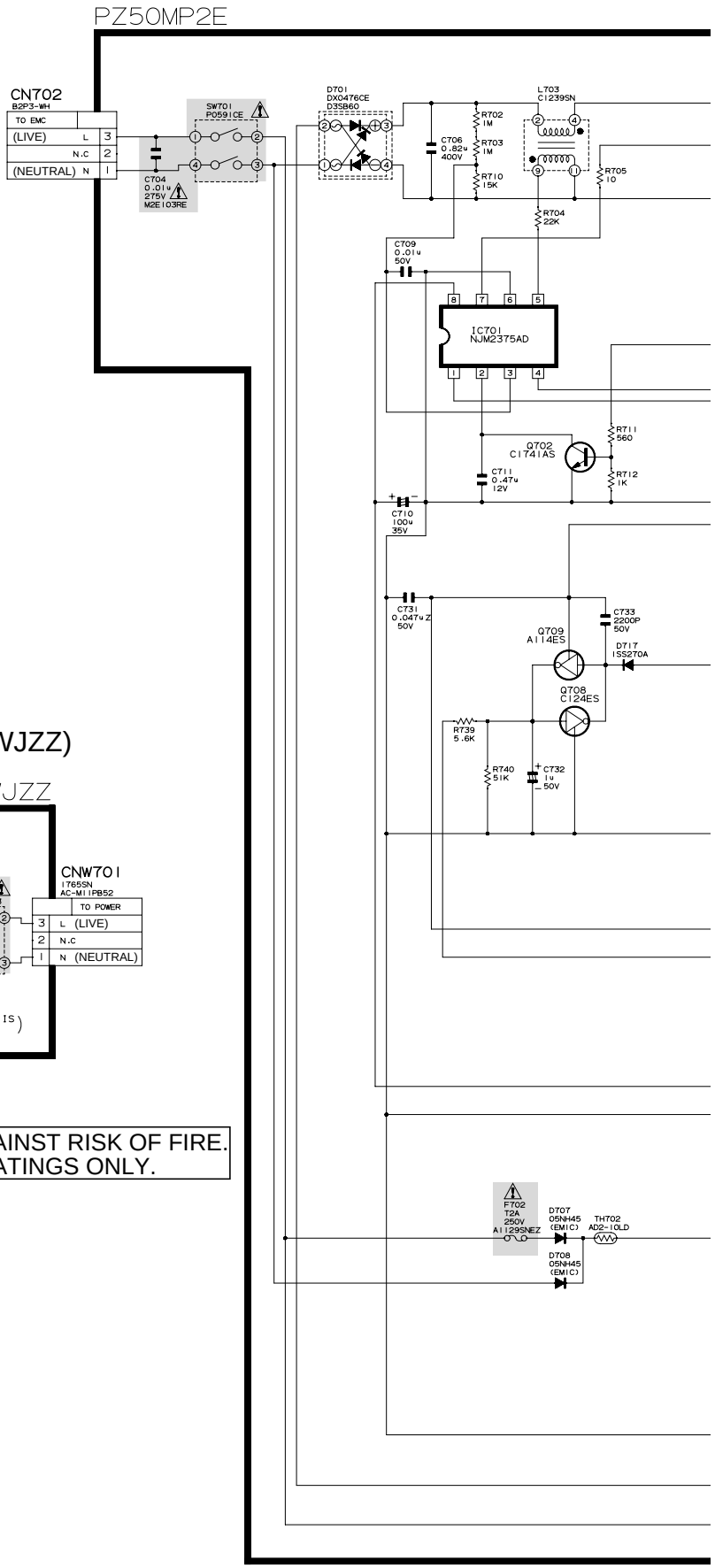
CPCI-0056CE11 CPCI-0058CE01



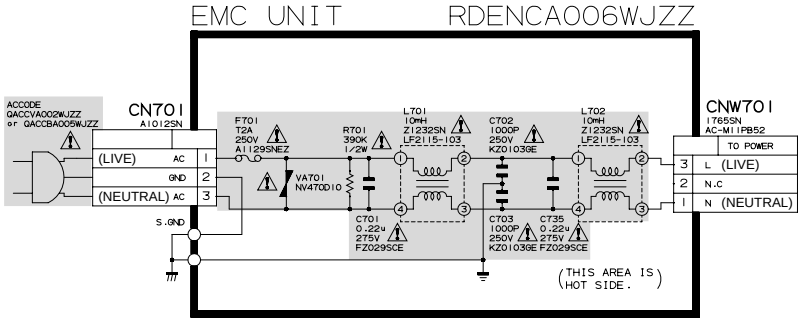
A5/6 SC1501

F 2/7

3.23 POWER and EMC UNITS



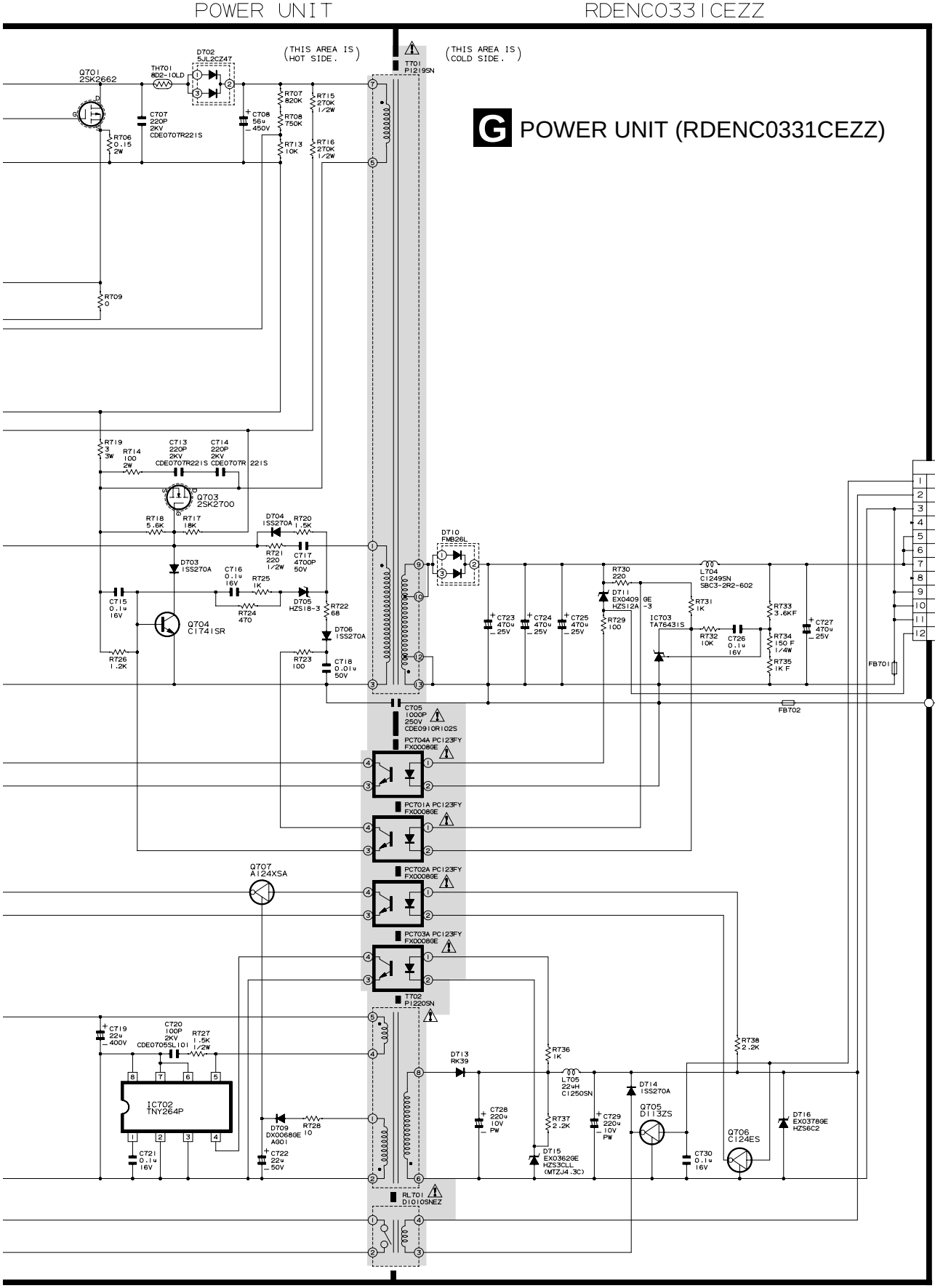
H EMC UNIT (RDENCA006WJZZ)



• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE AND RATINGS ONLY.

POWER UNIT RDENC0331CEZZ



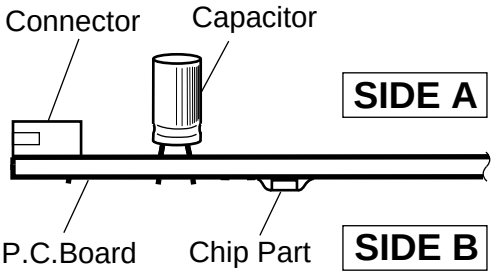
A5/6 P1502

4. PCB CONNECTION DIAGRAM

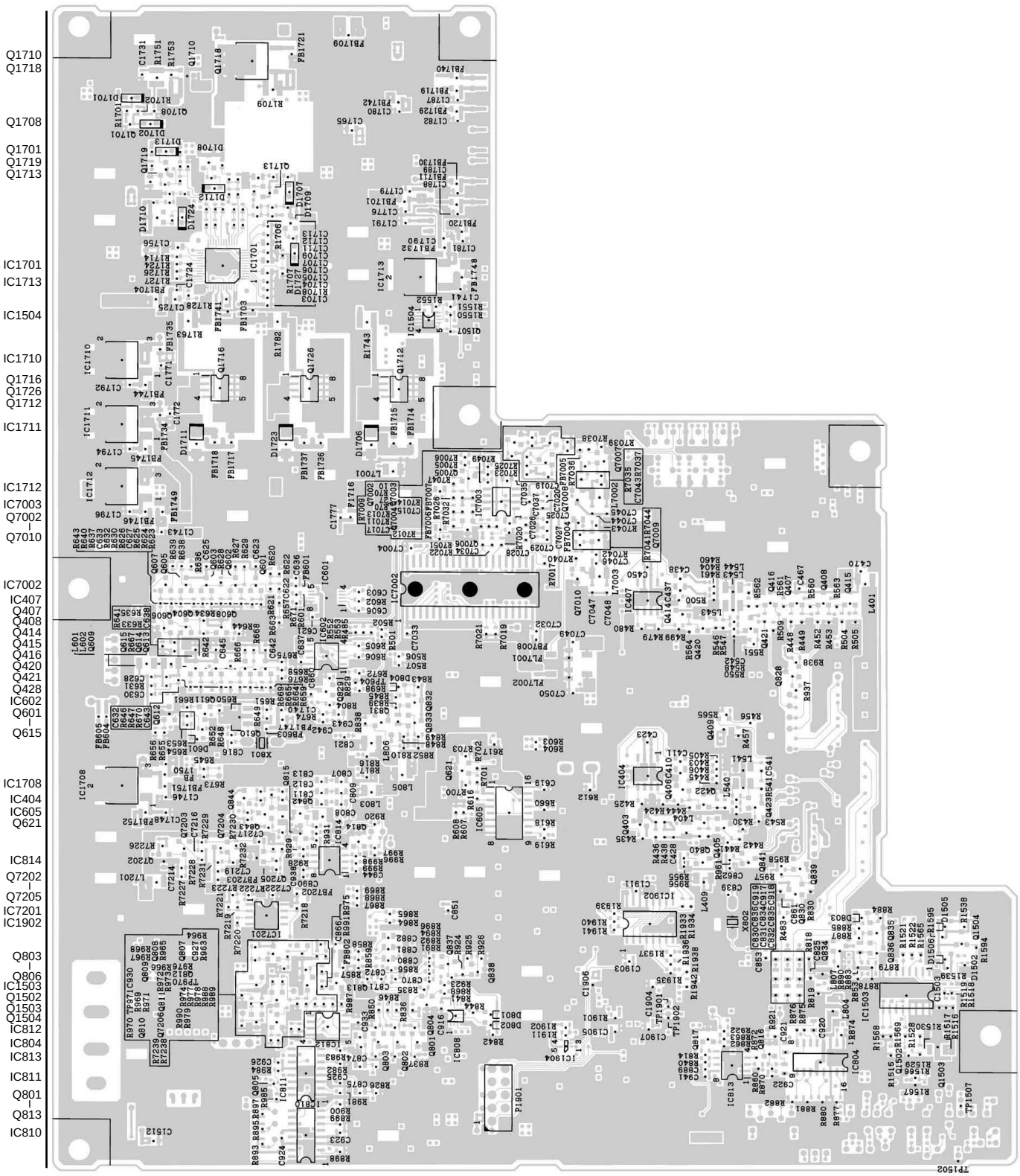
4.1 MAIN UNIT

NOTE FOR PCB DIAGRAMS :

- Part numbers in PCB diagrams match those in the schematic diagrams.
- The parts mounted on this PCB include all necessary parts for several destinations.
 For further information for respective destinations, be sure to check with the schematic diagram.
- View point of PCB diagrams.



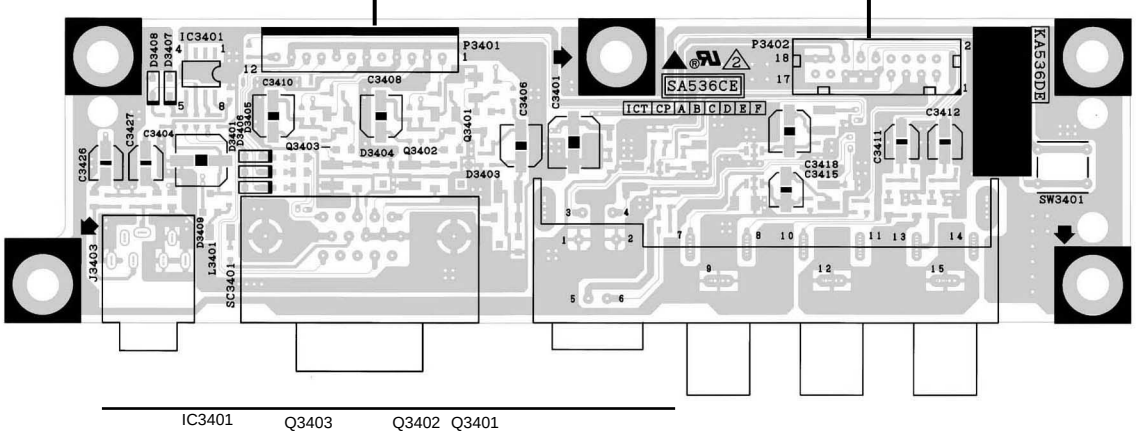
A MAIN UNIT



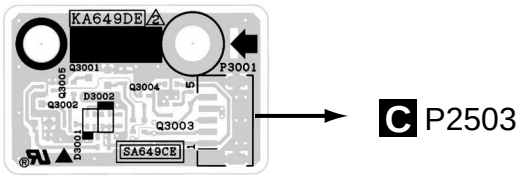
SIDE B

4.2 FRONT, LED and SR CONNECT UNITS

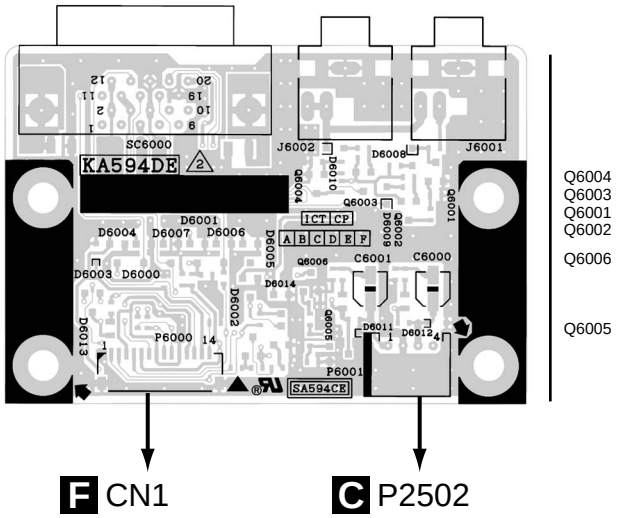
B FRONT UNIT



E LED UNIT



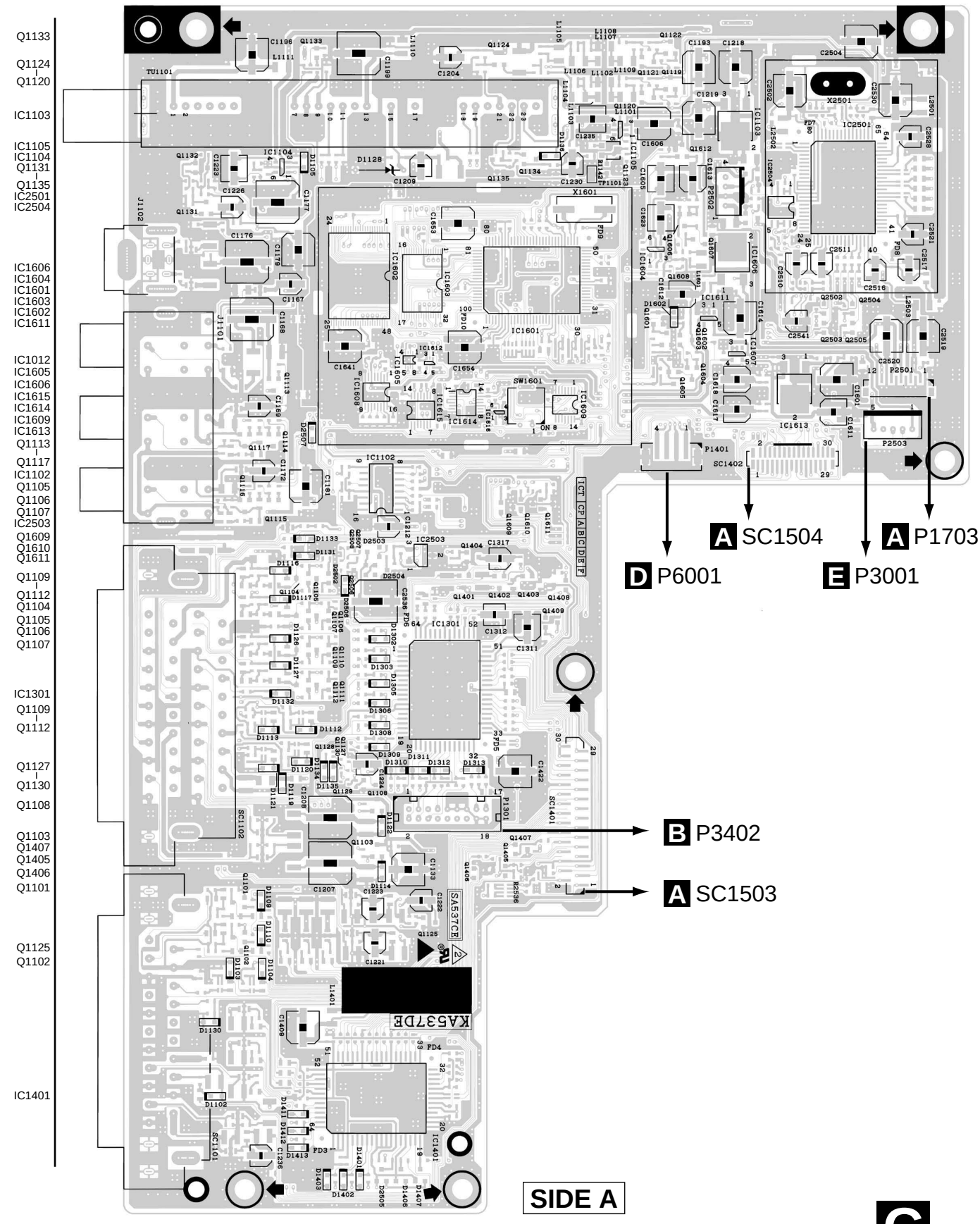
D SR CONNECT UNIT



SIDE A

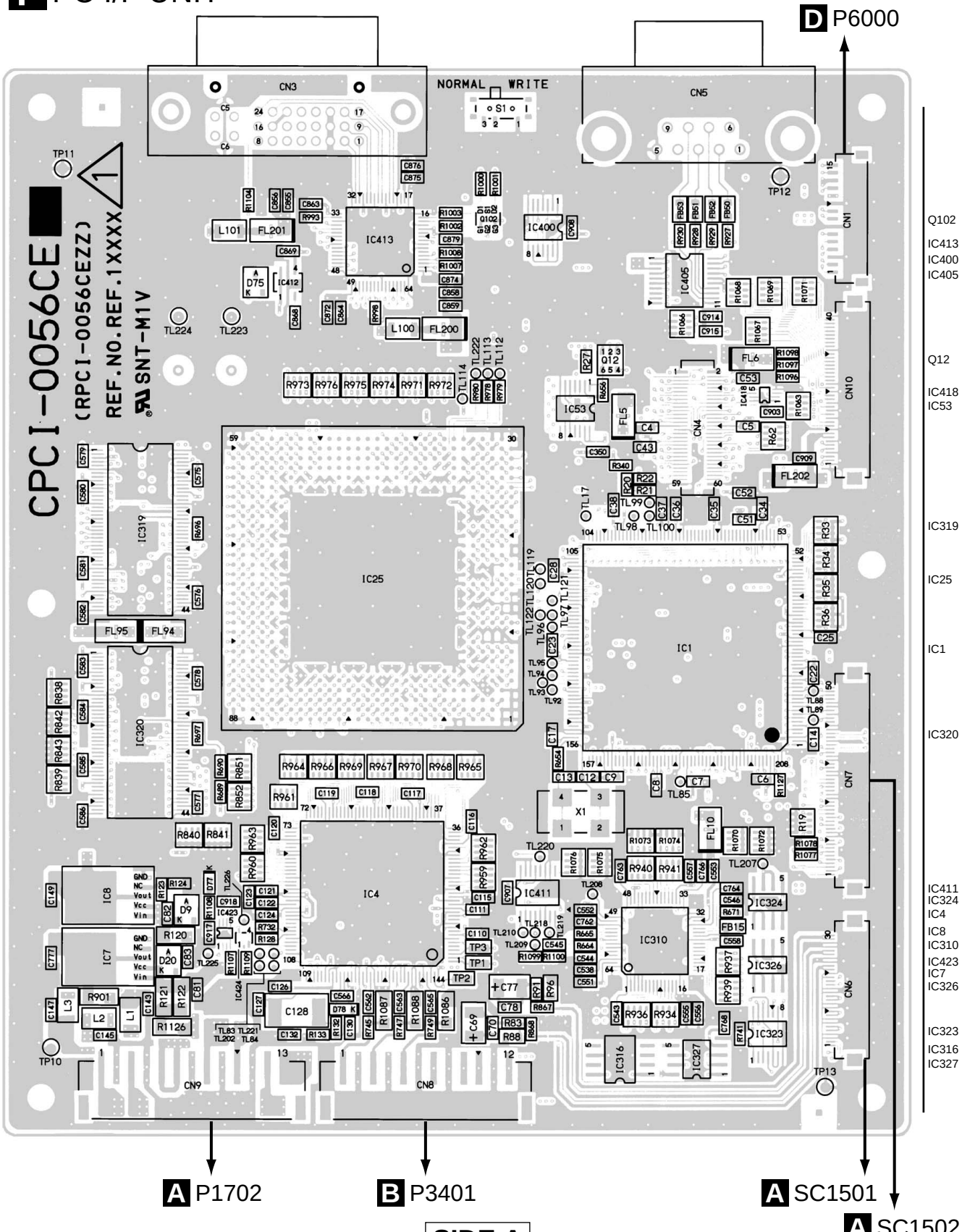
4.3 AV UNIT

C AV UNIT



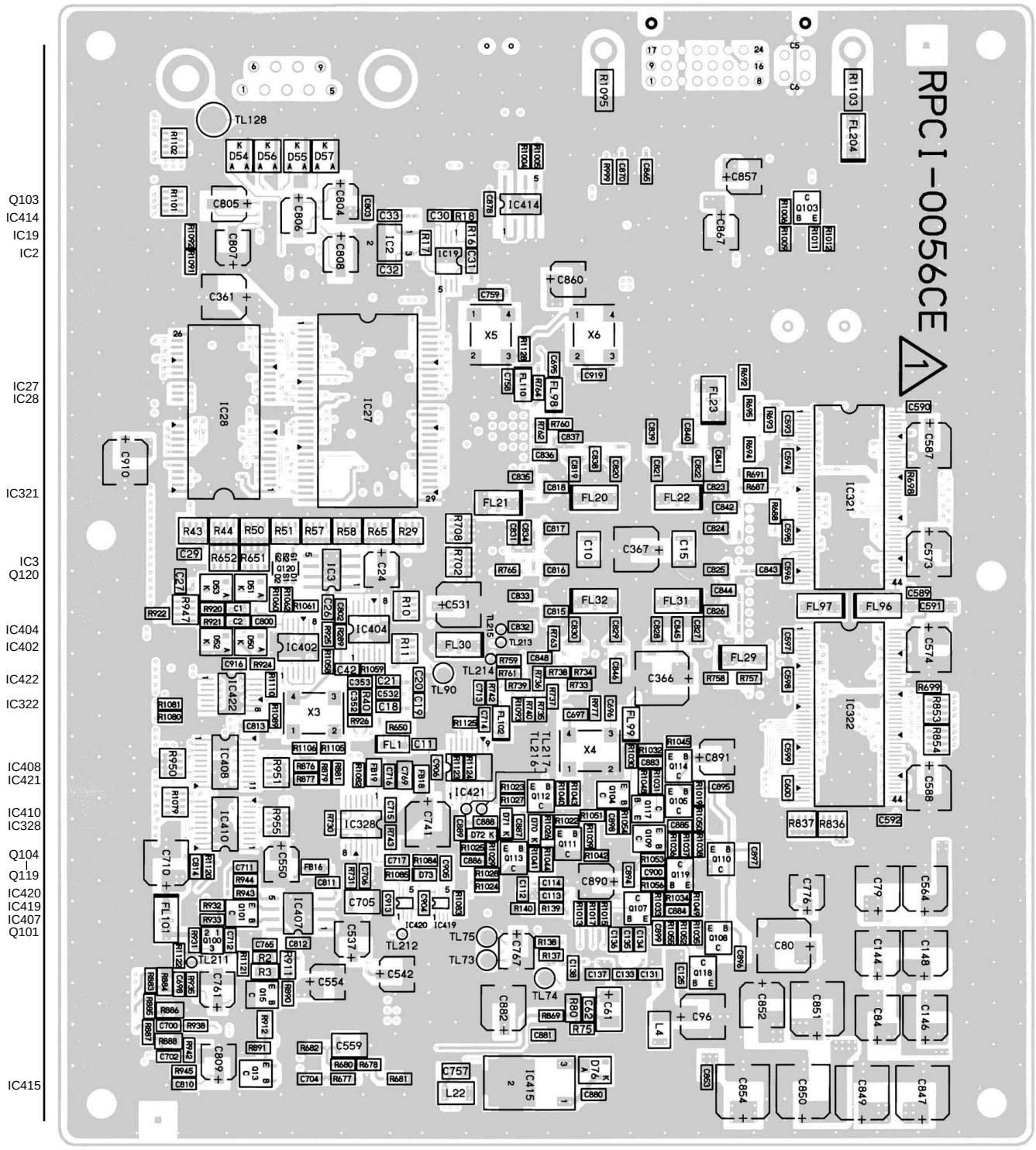
4.4 PC I/F UNIT

F PC I/F UNIT



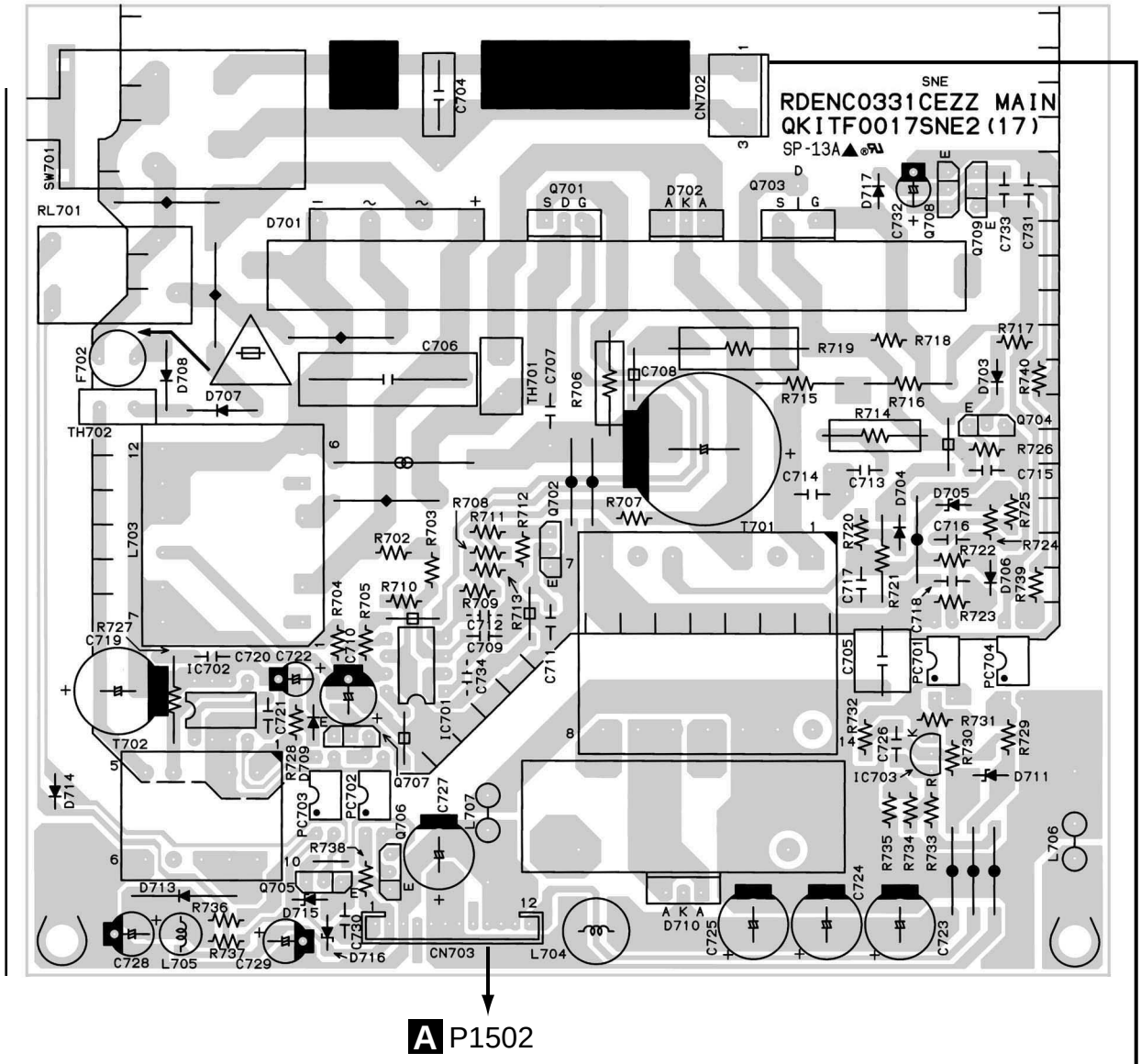
SIDE A

F PC I/F UNIT

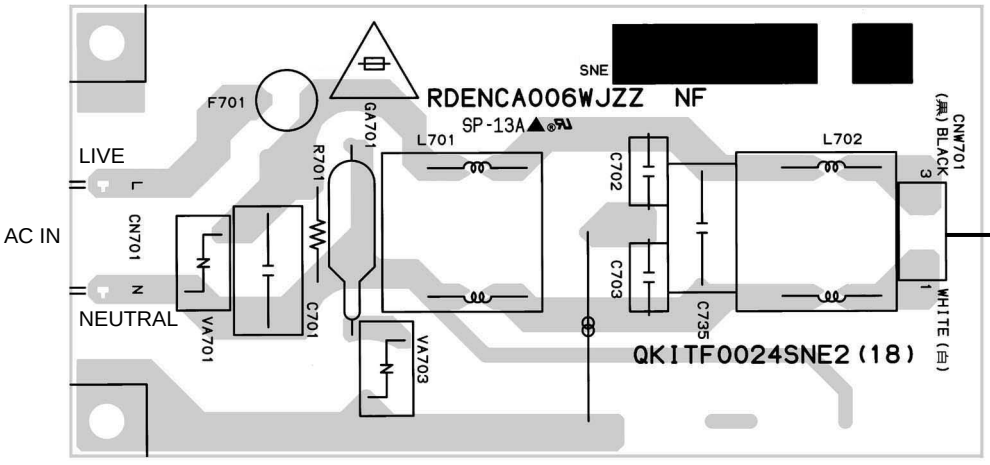

RPC I-0056CE
Q103
IC414
IC19
IC2
IC27
IC28
IC321
IC3
Q120
IC404
IC402
IC422
IC322
IC408
IC421
IC410
IC328
Q104
Q119
IC420
IC419
IC407
Q101
IC415
SIDE B

4.5 POWER and EMC UNITS

G POWER UNIT



H EMC UNIT



5. PCB PARTS LIST

NOTES: ●*Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
●*The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
●*When ordering resistors, first convert resistance values into code form as shown in the following examples.*
Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).
560 Ω → 56 × 10¹ → 561 RD1/4PU 5 6 1 J
47k Ω → 47 × 10³ → 473 RD1/4PU 4 7 3 J
0.5 Ω → R50 RN2H R 5 0 K
1 Ω → 1R0 RS1P 1 R 0 K
Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62k Ω → 562 × 10¹ → 5621 RN1/4PC 5 6 2 1 F

LIST OF ASSEMBLIES

MAIN UNIT	DUNTKA535FE01
FRONT UNIT	DUNTKA536DE01
AV UNIT	DUNTKA537DE01
SR CONNECT UNIT	DUNTKA594DE01
LED UNIT	DUNTKA649DE01
PC I/F UNIT	CPCI-0056CE11
EMC UNIT	RDENCA006WJZZ
POWER UNIT	RDENC0331CEZZ

A MAIN UNIT

INTEGRATED CIRCUITS

Mark	No.	Description	Part No.
	IC402	CXD2064Q	VHiCXD2064Q-1
	IC403	M62320FP	VHiM62320FP-1
	IC404	I.C.	VHiML6428C1-1
	IC405	CXD2064Q	VHiCXD2064Q-1
	IC406	M62320FP	VHiM62320FP-1
	IC407	I.C.	VHiML6428C1-1
	IC601	NJM2233V	VHiNJM2233V-1
	IC602	NJM2234M	VHiNJM2234M-1
	IC603	NJM2233V	VHiNJM2233V-1
	IC604	TA1318AF	VHiTA1318AF-1
	IC605	TC4052BF	VHiTC4052BF1E
	IC606	74HCT74F	VHi74HCT74F-1
	IC801	TB1274AF	VHiTB1274AF-1
	IC802	TB1274AF	VHiTB1274AF-1
	IC803	CXA2101AQ-Tl	VHiCXA2101Q-1
	IC804	Ml6426CS-1	RH-iX3473CEZZ
	IC807	TC7W34FU	VHiTC7W34U/-1
	IC808	TC7W34FU	VHiTC7W34U/-1
	IC810	Ml6426CS-1	RH-iX3473CEZZ
	IC811	Ml6426CS-4	RH-iX3474CEZZ
	IC812	NJM353M	VHiNJM353M/-1
	IC814	BA7655AF	VHiBA7655AF-1
	IC1502	M62393FP	VHiM62393FP-1
	IC1503	M62320FP	VHiM62320FP-1
	IC1504	TC7W53FU	VHiTC7W53U/-1
	IC1701	FA3675F	VHiFA3675F/-1
	IC1704	BA09FP-E2	VHiBA09T/FP-1
	IC1706	BA08FP	VHiBA08FP++-1
	IC1708	BA05FP	VHiBA05FP++-1
	IC1709	BA05FP	VHiBA05FP++-1
	IC1710	BA05FP	VHiBA05FP++-1
	IC1711	BA05FP	VHiBA05FP++-1
	IC1712	BA05FP	VHiBA05FP++-1
	IC1713	I.C.	VHiBA12FP++-1
	IC1901	I.C.	RH-iX3566CEZZ
	IC1902	M62320FP	VHiM62320FP-1
	IC1903	TC7W34FU	VHiTC7W34U/-1
	IC7200	IX3289CE	RH-iX3289CEZZ

TRANSISTORS

Mark	No.	Description	Part No.
	Q403	2SA1530AR	VS2SA1530AR-1
	Q405	2SA1530AR	VS2SA1530AR-1
	Q406	2SC3928AR	VS2SC3928AR-1
	Q407	2SC3928AR	VS2SC3928AR-1
	Q408	2SC3928AR	VS2SC3928AR-1
	Q409	2SC3928AR	VS2SC3928AR-1
	Q414	2SA1530AR	VS2SA1530AR-1
	Q415	2SC3928AR	VS2SC3928AR-1
	Q416	2SC3928AR	VS2SC3928AR-1
	Q424	2SA1530AR	VS2SA1530AR-1
	Q425	2SA1530AR	VS2SA1530AR-1
	Q426	2SA1530AR	VS2SA1530AR-1
	Q427	2SA1530AR	VS2SA1530AR-1
	Q601	2SC3928AR	VS2SC3928AR-1
	Q602	2SC3928AR	VS2SC3928AR-1
	Q603	2SC3928AR	VS2SC3928AR-1
	Q604	2SC3928AR	VS2SC3928AR-1
	Q605	2SC3928AR	VS2SC3928AR-1
	Q606	2SC3928AR	VS2SC3928AR-1
	Q607	2SC3928AR	VS2SC3928AR-1
	Q608	2SC3928AR	VS2SC3928AR-1
	Q609	2SC3928AR	VS2SC3928AR-1
	Q610	2SK1467	VS2SK1467//-1
	Q611	2SC3928AR	VS2SC3928AR-1
	Q612	2SC3928AR	VS2SC3928AR-1
	Q613	2SC3928AR	VS2SC3928AR-1
	Q614	2SC3928AR	VS2SC3928AR-1
	Q615	2SC3928AR	VS2SC3928AR-1
	Q616	2SC3928AR	VS2SC3928AR-1
	Q617	2SA1530AR	VS2SA1530AR-1
	Q618	2SC3928AR	VS2SC3928AR-1
	Q619	2SA1530AR	VS2SA1530AR-1
	Q622	DTC144TE	VSDTC144TE/-1
	Q623	DTC144TE	VSDTC144TE/-1
	Q624	DTC144EE	VSDTC144EE/-1
	Q925	DTC144EE	VSDTC144EE/-1
	Q801	2SA1530AR	VS2SA1530AR-1
	Q802	2SA1530AR	VS2SA1530AR-1
	Q803	2SA1530AR	VS2SA1530AR-1
	Q804	2SA1530AR	VS2SA1530AR-1

Mark	No.	Description	Part No.
	Q805	DTC144EE	VSDTC144EE/-1
	Q807	2SC3928AR	VS2SC3928AR-1
	Q808	2SA1530AR	VS2SA1530AR-1
	Q809	2SC3928AR	VS2SC3928AR-1
	Q810	2SA1530AR	VS2SA1530AR-1
	Q811	2SA1530AR	VS2SA1530AR-1
	Q812	2SA1530AR	VS2SA1530AR-1
	Q813	DTC124EK	VSDTC124EK/-1
	Q814	2SA1530AR	VS2SA1530AR-1
	Q815	2SA1530AR	VS2SA1530AR-1
	Q818	2SA1530AR	VS2SA1530AR-1
	Q819	2SA1530AR	VS2SA1530AR-1
	Q820	2SA1530AR	VS2SA1530AR-1
	Q821	2SC2735	VS2SC2735//1E
	Q822	2SC2735	VS2SC2735//1E
	Q823	2SC2735	VS2SC2735//1E
	Q824	2SA1530AR	VS2SA1530AR-1
	Q825	2SA1530AR	VS2SA1530AR-1
	Q826	2SA1530AR	VS2SA1530AR-1
	Q827	2SA1530AR	VS2SA1530AR-1
	Q828	2SA1530AR	VS2SA1530AR-1
	Q829	2SC3928AR	VS2SC3928AR-1
	Q830	2SC3928AR	VS2SC3928AR-1
	Q837	2SC3928AR	VS2SC3928AR-1
	Q838	2SA1530AR	VS2SA1530AR-1
	Q839	2SC2735	VS2SC2735//1E
	Q840	2SC2735	VS2SC2735//1E
	Q841	2SC2735	VS2SC2735//1E
	Q842	2SC3928AR	VS2SC3928AR-1
	Q843	2SC3928AR	VS2SC3928AR-1
	Q844	2SC3928AR	VS2SC3928AR-1
	Q1502	DTC144EE	VSDTC144EE/-1
	Q1503	2SB1132Q	VS2SB1132Q/-1
	Q1504	2SC3928AR	VS2SC3928AR-1
	Q1507	DTC144EE	VSDTC144EE/-1
	Q1508	DTA124EKA	VSDTA124EKA-1
	Q1509	DTA124EKA	VSDTC124EKA-1
	Q1510	DTA124EKA	VSDTA124EKA-1
	Q1511	DTA124EKA	VSDTC124EKA-1
	Q1701	DTC114EE	VSDTC114EE/-1
	Q1708	DTC114EE	VSDTC114EE/-1
	Q1710	FMMT718	VSFMMT718//-1
	Q1712	GF4435+++	VSGF4435+++-1
	Q1716	GF4435+++	VSGF4435+++-1
	Q1718	2SK2503	VS2SK2503//-1
	Q1719	2SC3928AR	VS2SC3928AR-1
	Q1726	GF4435+++	VSGF4435+++-1
	Q7201	2SC3928AR	VS2SC3928AR-1
	Q7206	2SC3928AR	VS2SC3928AR-1

DIODES

	D601	Diode	VHD1SS355//-1
	D801	Diode	VHD1SS355//-1
	D802	Diode	VHD1SS355//-1
	D1502	Diode	VHDDAN222//-1
	D1503	Diode	VHDDAN222//-1
	D1504	Diode	VHDDAN222//-1
	D1505	Diode	VHD1SS355//-1
	D1506	Diode	VHD1SS355//-1
	D1701	Diode	VHDHSU119//-1
	D1702	Diode	VHDHSU119//-1
	D1706	Diode	VHDSFPB74//2E
	D1708	Zener Diode	RH-EX0501CEZZ
	D1709	Zener Diode	RH-EX0501CEZZ
	D1710	Zener Diode	RH-EX0523CEZZ
	D1711	Diode	VHDSFPB74//2E
	D1712	Diode	VHDHSU119//-1
	D1713	Diode	VHDHSU119//-1
	D1715	Diode	VHDSFPB56//2E
	D1716	Diode	VHD1SS250//1E
	D1717	Diode	VHDSFPB76//2E
	D1719	Diode	VHDSFPB76//2E
	D1720	Diode	VHDSFPB76//2E
	D1723	Diode	VHDSFPB74//2E
	D1724	Diode	VHDHSU119//-1
	D1727	Diode	VHDHSU119//-1
	D7201	Diode	VHDDAN222//-1
	D7202	Diode	VHDDAN222//-1

PACKAGED CIRCUITS

	X601	Crystal	RFiLA0034CEZZ
	X801	Crystal	RCRSB0244CEZZ
	X802	Crystal	RCRSB0244CEZZ
	X1901	Crystal	RCRSZ0093CEZZ

FILTER AND COILS

	CF7201	Filter	RFiLA0098CEZZ
	L401	Peaking 4.7µH	VP-1M4R7J1R2N
	L404	Peaking 27µH	VP-1M270J3R8N
	L407	Peaking 22µH	VP-1M220J2R9N
	L408	Peaking 22µH	VP-1M220J2R9N
	L409	Peaking 4.7µH	VP-1M4R7J1R2N
	L601	Peaking 12µH	VP-1M120J1R9N
	L602	Peaking 6.8µH	VP-1M6R8J1R4N
	L603	Peaking 47µH	VP-1M470J5R4N
	L604	Peaking 6.8µH	VP-1M6R8J1R4N
	L605	Peaking 5.6µH	VP-1M5R6J1R2N
	L606	Peaking 8.2µH	VP-1M8R2J1R5N
	L607	Peaking 47µH	VP-1M470J5R4N
	L608	Peaking 3.9µH	VP-1M3R9J1R0N
	L609	Peaking 1.8µH	VP-1M1R8JR70N
	L610	Peaking 3.9µH	VP-1M3R9J1R0N
	L801	Peaking 4.7µH	VP-1M4R7J1R2N
	L802	Peaking 4.7µH	VP-1M4R7J1R2N
	L803	Peaking 4.7µH	VP-1M4R7J1R2N
	L804	Peaking 4.7µH	VP-1M4R7J1R2N
	L805	Peaking 4.7µH	VP-1M4R7J1R2N
	L806	Peaking 4.7µH	VP-1M4R7J1R2N
	L807	Peaking 4.7µH	VP-1M4R7J1R2N
	L1708	Coil	RCiLC0175CEZZ
	L1710	Coil	RCiLC0175CEZZ
	L1711	Coil	RCiLC0130CEZZ
	L1712	Coil	RCiLP0159GEZZ
	L1718	Coil	RCiLC0170CEZZ
	L1719	Coil	RCiLP0159GEZZ
	L1720	Coil	RCiLP0159GEZZ
	L1721	Coil	RCiLP0160GEZZ
	L1722	Coil	RCiLP0166GEZZ

TRANSFORMER

	T1701	Transformer	RTRNZ0802CEZZ

CAPACITORS

Mark	No.	Description	Part No.
	C403	22 6.3V Electrolytic	VCEAPF0JW226M
	C404	0.1 25V Ceramic	VCKYCY1EF104Z
	C405	0.1 25V Ceramic	VCKYCY1EF104Z
	C406	0.1 25V Ceramic	VCKYCY1EF104Z
	C407	0.1 25V Ceramic	VCKYCY1EF104Z
	C408	0.1 25V Ceramic	VCKYCY1EF104Z
	C409	0.1 25V Ceramic	VCKYCY1EF104Z
	C410	1.0 16V Ceramic	VCKYTV1CB105K
	C411	0.1 25V Ceramic	VCKYTV1EB104K
	C412	0.1 25V Ceramic	VCKYCY1EF104Z
	C413	0.1 25V Ceramic	VCKYCY1EF104Z
	C414	0.1 25V Ceramic	VCKYCY1EF104Z
	C415	0.1 25V Ceramic	VCKYCY1EF104Z
	C416	100 6.3V Electrolytic	VCEAPF0JN107M
	C417	1000p 50V Ceramic	VCKYCY1HB102K
	C418	0.022 50V Ceramic	VCKYCY1HF223Z
	C419	0.1 25V Ceramic	VCKYCY1EF104Z
	C420	0.1 25V Ceramic	VCKYCY1EF104Z
	C421	0.1 25V Ceramic	VCKYCY1EF104Z
	C422	100 16V Electrolytic	VCEAPW1CN107M
	C423	0.1 25V Ceramic	VCKYCY1EF104Z
	C427	27p 50V Ceramic	VCCCCY1HH270J
	C428	56p 50V Ceramic	VCCCCY1HH560J
	C429	0.1 25V Ceramic	VCKYCY1EF104Z
	C430	22 6.3V Electrolytic	VCEAPF0JW226M
	C431	0.1 25V Ceramic	VCKYCY1EF104Z
	C432	0.1 25V Ceramic	VCKYCY1EF104Z
	C433	0.1 25V Ceramic	VCKYCY1EF104Z
	C434	0.1 25V Ceramic	VCKYCY1EF104Z
	C435	0.1 25V Ceramic	VCKYCY1EF104Z
	C436	0.1 25V Ceramic	VCKYCY1EF104Z
	C437	1.0 16V Ceramic	VCKYTV1CB105K
	C438	0.1 25V Ceramic	VCKYTV1EB104K
	C439	0.1 25V Ceramic	VCKYCY1EF104Z
	C440	0.1 25V Ceramic	VCKYCY1EF104Z
	C441	0.1 25V Ceramic	VCKYCY1EF104Z
	C442	0.1 25V Ceramic	VCKYCY1EF104Z
	C443	100 6.3V Electrolytic	VCEAPF0JN107M
	C444	1000p 50V Ceramic	VCKYCY1HB102K
	C445	0.022 50V Ceramic	VCKYCY1HF223Z
	C446	0.1 25V Ceramic	VCKYCY1EF104Z
	C447	0.1 25V Ceramic	VCKYCY1EF104Z
	C448	0.1 25V Ceramic	VCKYCY1EF104Z
	C449	100 16V Electrolytic	VCEAPW1CN107M
	C450	0.1 25V Ceramic	VCKYCY1EF104Z
	C451	100 6.3V Electrolytic	VCEAPF0JN107M
	C452	100 6.3V Electrolytic	VCEAPF0JN107M
	C460	27p 50V Ceramic	VCCCCY1HH270J
	C461	10p 50V Ceramic	VCCCCY1HH100D
	C462	10p 50V Ceramic	VCCCCY1HH100D
	C463	27p 50V Ceramic	VCCCCY1HH270J
	C464	10p 50V Ceramic	VCCCCY1HH100D
	C465	10p 50V Ceramic	VCCCCY1HH100D
	C466	100 16V Electrolytic	VCEAPW1CN107M
	C467	0.1 25V Ceramic	VCKYCY1EF104Z
	C468	0.1 25V Ceramic	VCKYCY1EF104Z
	C469	0.1 25V Ceramic	VCKYCY1EF104Z
	C470	0.1 25V Ceramic	VCKYCY1EF104Z
	C601	0.1 25V Ceramic	VCKYCY1EF104Z
	C603	0.01 50V Ceramic	VCKYCY1HB103K
	C606	0.01 50V Ceramic	VCKYCY1HB103K
	C609	33 10V Electrolytic	VCEAPF1AW336M
	C611	33 10V Electrolytic	VCEAPF1AW336M
	C612	33 10V Electrolytic	VCEAPF1AW336M
	C614	4.7 50V Electrolytic	VCEAPF1HW475M
	C615	0.01 50V Ceramic	VCKYCY1HB103K
	C616	1.0 50V Electrolytic	VCEAPF1HW105M
	C617	0.1 25V Ceramic	VCKYCY1EF104Z
	C618	330 16V Electrolytic	RC-EZ0538CEZZ
	C619	0.1 25V Ceramic	VCKYCY1EF104Z
	C620	220 6.3V Electrolytic	VCEASH0JN227M
	C621	0.1 25V Ceramic	VCKYCY1EF104Z
	C622	0.01 50V Ceramic	VCKYCY1HB103K
	C623	0.1 25V Ceramic	VCKYCY1EF104Z
	C624	47 16V Electrolytic	VCEAPF1CW476M
	C625	0.1 25V Ceramic	VCKYCY1EF104Z
	C626	47 16V Electrolytic	VCEAPF1CW476M
	C627	0.1 25V Ceramic	VCKYCY1EF104Z
	C628	220p 50V Ceramic	VCCCCY1HH221J
	C629	820p 50V Ceramic	VCCCCY1HH821J
	C630	3900p 50V Ceramic	VCKYCY1HB392K
	C631	1200p 50V Ceramic	VCKYCY1HB122K
	C632	120p 50V Ceramic	VCCCCY1HH121J
	C633	0.01 50V Ceramic	VCKYCY1HB103K
	C634	22 16V Electrolytic	VCEAPF1CW226M
	C635	10 16V Electrolytic	VCEAPF1CW106M
	C636	0.1 25V Ceramic	VCKYCY1EF104Z
	C637	0.1 25V Ceramic	VCKYCY1EF104Z
	C638	0.1 25V Ceramic	VCKYCY1EF104Z
	C639	10 16V Electrolytic	VCEAPF1CW106M
	C640	10 16V Electrolytic	VCEAPF1CW106M
	C641	22 16V Electrolytic	VCEAPF1CW226M
	C642	0.1 25V Ceramic	VCKYCY1EF104Z
	C643	0.1 25V Ceramic	VCKYCY1EF104Z
	C644	47 16V Electrolytic	VCEAPF1CW476M
	C645	0.1 25V Ceramic	VCKYCY1EF104Z
	C646	4.7 50V Electrolytic	VCEAPF1HW475M
	C647	33 10V Electrolytic	VCEAPF1AW336M
	C648	100 16V Electrolytic	VCEAPF1CW107M
	C649	0.1 25V Ceramic	VCKYCY1EF104Z
	C650	150p 50V Ceramic	VCCCCY1HH151J
	C651	120p 50V Ceramic	VCCCCY1HH121J
	C652	270p 50V Ceramic	VCCCCY1HH271J
	C653	0.01 50V Ceramic	VCKYCY1HB103K
	C654	0.1 25V Ceramic	VCKYCY1EF104Z
	C655	0.01 50V Ceramic	VCKYCY1HB103K
	C656	0.1 25V Ceramic	VCKYCY1EF104Z
	C657	180p 50V Ceramic	VCCCCY1HH181J
	C658	220p 50V Ceramic	VCCCCY1HH221J
	C659	220p 50V Ceramic	VCCCCY1HH221J
	C660	0.01 50V Ceramic	VCKYCY1HB103K
	C661	0.1 25V Ceramic	VCKYCY1EF104Z
	C662	0.01 50V Ceramic	VCKYCY1HB103K
	C663	0.1 25V Ceramic	VCKYCY1EF104Z
	C801	0.1 25V Ceramic	VCKYTV1EB104K
	C802	0.1 25V Ceramic	VCKYCY1EF104Z
	C803	0.01 50V Ceramic	VCKYCY1HB103K
	C804	100 6.3V Electrolytic	VCEAPF0JW107M
	C805	0.01 50V Ceramic	VCKYCY1HB103K
	C807	0.1 25V Ceramic	VCKYTV1EB104K

Mark	No.	Description	Part No.
	C808	0.1 25V Ceramic	VCKYTV1EB104K
	C809	0.1 25V Ceramic	VCKYTV1EB104K
	C810	4.7 25V Electrolytic	VCEAPF1EW475M
	C811	0.1 25V Ceramic	VCKYTV1EB104K
	C812	0.1 25V Ceramic	VCKYTV1EB104K
	C813	0.1 25V Ceramic	VCKYTV1EB104K
	C814	0.01 50V Ceramic	VCKYCY1HB103K
	C815	100 6.3V Electrolytic	VCEAPF0JW107M
	C816	7.0p 50V Ceramic	VCCCCY1HH7R0D
	C817	0.01 50V Ceramic	VCKYCY1HB103K
	C818	0.47 50V Electrolytic	VCEAPF1HW474M
	C819	2.2 50V Electrolytic	VCEAPF1HW225M
	C820	0.022 50V Ceramic	VCKYCY1HF223Z
	C821	0.01 50V Ceramic	VCKYCY1HB103K
	C822	0.1 25V Ceramic	VCKYTV1EB104K
	C823	0.1 25V Ceramic	VCKYCY1EF104Z
	C824	0.1 25V Ceramic	VCKYTV1EB104K
	C825	0.01 50V Ceramic	VCKYCY1HB103K
	C826	100 6.3V Electrolytic	VCEAPF0JW107M
	C827	0.01 50V Ceramic	VCKYCY1HB103K
	C828	0.01 50V Ceramic	VCKYCY1HB103K
	C829	10 16V Electrolytic	VCEAPF1CW106M
	C830	0.1 25V Ceramic	VCKYTV1EB104K
	C831	0.1 25V Ceramic	VCKYTV1EB104K
	C832	0.1 25V Ceramic	VCKYTV1EB104K
	C833	4.7 25V Electrolytic	VCEAPF1EW475M
	C834	0.1 25V Ceramic	VCKYTV1EB104K
	C835	0.1 25V Ceramic	VCKYTV1EB104K
	C836	0.1 25V Ceramic	VCKYTV1EB104K
	C837	100 6.3V Electrolytic	VCEAPF0JW107M
	C838	0.01 50V Ceramic	VCKYCY1HB103K
	C839	7.0p 50V Ceramic	VCCCCY1HH7R0D
	C840	0.01 50V Ceramic	VCKYCY1HB103K
	C841	0.47 50V Electrolytic	VCEAPF1HW474M
	C842	0.1 25V Ceramic	VCKYCY1EF104Z
	C843	0.01 50V Ceramic	VCKYCY1HB103K
	C844	0.1 25V Ceramic	VCKYTV1EB104K
	C845	2.2 50V Electrolytic	VCEAPF1HW225M
	C846	0.022 50V Ceramic	VCKYCY1HF223Z
	C847	0.01 50V Ceramic	VCKYCY1HB103K
	C848	1.0 50V Electrolytic	VCEAPF1HN105M
	C849	1.0 50V Electrolytic	VCEAPF1HN105M
	C850	1.0 50V Electrolytic	VCEAPF1HN105M
	C851	0.1 25V Ceramic	VCKYCY1EF104Z
	C852	470 16V Electrolytic	VCEASD1CN477M
	C853	0.01 50V Ceramic	VCKYCY1HB103K
	C854	220 6.3V Electrolytic	VCEAPF0JW227M
	C855	220 6.3V Electrolytic	VCEAPF0JW227M
	C856	220 6.3V Electrolytic	VCEAPF0JW227M
	C860	0.1 25V Ceramic	VCKYCY1EF104Z
	C861	0.1 25V Ceramic	VCKYCY1EF104Z
	C866	0.1 25V Ceramic	VCKYCY1EF104Z
	C868	0.01 50V Ceramic	VCKYCY1HB103K
	C869	0.1 25V Ceramic	VCKYCY1EF104Z
	C870	0.1 25V Ceramic	VCKYCY1EF104Z
	C871	0.1 25V Ceramic	VCKYCY1EF104Z
	C872	0.1 25V Ceramic	VCKYCY1EF104Z
	C873	1.0 16V Ceramic	VCKYTV1CB105K
	C874	1.0 16V Ceramic	VCKYTV1CB105K
	C875	1.0 16V Ceramic	VCKYTV1CB105K
	C876	2200p 50V Ceramic	VCKYCY1HB222K
	C877	0.47 16V Ceramic	VCKYTV1CB474K
	C878	0.47 16V Ceramic	VCKYTV1CB474K
	C879	22 16V Electrolytic	VCEAPF1CW226M
	C880	0.1 25V Ceramic	VCKYTV1EB104K
	C881	0.1 25V Ceramic	VCKYTV1EB104K
	C882	0.1 25V Ceramic	VCKYTV1EB104K
	C883	22 16V Electrolytic	VCEAPF1CW226M
	C884	22 16V Electrolytic	VCEAPF1CW226M
	C885	22 16V Electrolytic	VCEAPF1CW226M
	C886	39p 50V Ceramic	VCCCCY1HH390J
	C887	10 16V Electrolytic	VCEAPF1CN106M
	C888	0.47 16V Ceramic	VCKYTV1CB474K
	C890	1 10V Ceramic	RC-KZ1025CEZZ
	C891	47 6.3V Electrolytic	VCEAPF0JW476M
	C892	0.1 25V Ceramic	VCKYTV1EB104K
	C893	0.1 25V Ceramic	VCKYTV1EB104K
	C894	0.1 25V Ceramic	VCKYTV1EB104K
	C895	0.1 25V Ceramic	VCKYTV1EB104K
	C896	0.1 25V Ceramic	VCKYTV1EB104K
	C897	0.1 25V Ceramic	VCKYTV1EB104K
	C898	0.1 25V Ceramic	VCKYCY1EF104Z
	C899	47 6.3V Electrolytic	VCEAPF0JW476M
	C900	100 6.3V Electrolytic	VCEAPF0JN107M
	C901	0.1 25V Ceramic	VCKYCY1EF104Z
	C902	1.0 50V Electrolytic	VCEAPF1HN105M
	C903	0.1 25V Ceramic	VCKYCY1EF104Z
	C912	0.47 50V Electrolytic	VCEAPF1HN474M
	C913	0.47 50V Electrolytic	VCEAPF1HN474M
	C915	0.1 25V Ceramic	VCKYCY1EF104Z
	C916	0.1 25V Ceramic	VCKYCY1EF104Z
	C917	0.1 25V Ceramic	VCKYTV1EB104K
	C918	0.1 25V Ceramic	VCKYTV1EB104K
	C919	0.1 25V Ceramic	VCKYTV1EB104K
	C920	1.0 16V Ceramic	VCKYTV1CB105K
	C921	1.0 16V Ceramic	VCKYTV1CB105K
	C922	1.0 16V Ceramic	VCKYTV1CB105K
	C923	0.1 25V Ceramic	VCKYCY1EF104Z
	C924	0.1 25V Ceramic	VCKYCY1EF104Z
	C925	0.1 25V Ceramic	VCKYCY1EF104Z
	C926	0.1 25V Ceramic	VCKYCY1EF104Z
	C927	0.1 25V Ceramic	VCKYCY1EF104Z
	C928	47 16V Electrolytic	VCEAPF1CW476M
	C929	47 16V Electrolytic	VCEAPF1CW476M
	C930	0.1 25V Ceramic	VCKYCY1EF104Z
	C931	10 16V Electrolytic	VCEAPF1CW106M
	C932	10 16V Electrolytic	VCEAPF1CW106M
	C933	0.1 25V Ceramic	VCKYCY1EF104Z
	C934	22 16V Electrolytic	VCEAPF1CW226M
	C935	220 6.3V Electrolytic	VCEASH0JN227M
	C936	10 16V Electrolytic	VCEAPF1CW106M
	C937	10 16V Electrolytic	VCEAPF1CW106M
	C938	0.1 25V Ceramic	VCKYCY1EF104Z
	C942	0.01 50V Ceramic	VCKYCY1HB103K
	C943	0.1 25V Ceramic	VCKYTV1EB104K
	C944	1 10V Ceramic	RC-KZ1025CEZZ
	C950	0.1 25V Ceramic	VCKYCY1EF104Z
	C951	0.1 25V Ceramic	VCKYCY1EF104Z
	C952	0.1 25V Ceramic	VCKYCY1EF104Z
	C953	0.1 25V Ceramic	VCKYCY1EF104Z

Mark	No.	Description	Part No.
	C954	0.1 25V Ceramic	VCKYCY1EF104Z
	C1502	0.1 25V Ceramic	VCKYCY1EF104Z
	C1503	0.1 25V Ceramic	VCKYCY1EF104Z
	C1504	100 6.3V Electrolytic	VCEAPF0JN107M
	C1505	47 16V Electrolytic	VCEAPF1CW476M
	C1506	47 16V Electrolytic	VCEAPF1CW476M
	C1511	0.1 25V Ceramic	VCKYCY1EF104Z
	C1512	1.0 16V Ceramic	VCKYTV1CF105Z
	C1701	330 16V Electrolytic	VCEASH1CN337M
	C1702	22 16V Electrolytic	VCEAPF1CW226M
	C1703	0.1 25V Ceramic	VCKYCY1EF104Z
	C1704	100p 50V Ceramic	VCCCCY1HH101J
	C1705	0.47 16V Ceramic	VCKYCY1CF474Z
	C1706	1.0 16V Ceramic	VCKYTV1CF105Z
	C1707	0.22 16V Ceramic	VCKYTV1CF224Z
	C1709	0.1 25V Ceramic	VCKYCY1EF104Z
	C1711	0.1 16V Ceramic	VCKYTV1CF104Z
	C1712	0.1 25V Ceramic	VCKYCY1EF104Z
	C1713	0.1 25V Ceramic	VCKYCY1EF104Z
	C1714	2200p 50V Ceramic	VCKYCY1HB222K
	C1715	2200p 50V Ceramic	VCKYCY1HB222K
	C1717	0.33 16V Ceramic	VCKYCY1CF334Z
	C1718	100 16V Electrolytic	VCEASM1CN107M
	C1719	2200p 50V Ceramic	VCKYCY1HB222K
	C1720	2200p 50V Ceramic	VCKYCY1HB222K
	C1721	0.33 16V Ceramic	VCKYCY1CF334Z
	C1722	100 16V Electrolytic	VCEASM1CN107M
	C1724	0.1 25V Ceramic	VCKYCY1EF104Z
	C1725	1.0 16V Ceramic	VCKYTV1CF105Z
	C1727	39 16V Electrolytic	VCAAPF1CJ396M
	C1728	82 16V Electrolytic	VCAAPF1CJ826M
	C1729	220 6.3V Electrolytic	VCAAPF0JJ227M
	C1731	0.1 25V Ceramic	VCKYCY1EF104Z
	C1732	470 16V Electrolytic	VCEASD1CN477M
	C1733	0.33 16V Ceramic	VCKYCY1CF334Z
	C1734	100 16V Electrolytic	VCEASM1CN107M
	C1735	470 16V Electrolytic	VCEASD1CN477M
	C1736	39 16V Electrolytic	VCAAPF1CJ396M
	C1737	82 16V Electrolytic	VCAAPF1CJ826M
	C1738	330 4.0V Electrolytic	VCAAPF0GJ337M
	C1740	1000p 50V Ceramic	VCKYCY1HB102K
	C1741	0.33 16V Ceramic	VCKYCY1CF334Z
	C1742	100 16V Electrolytic	VCEASM1CN107M
	C1743	1000p 50V Ceramic	VCKYCY1HB102K
	C1745	1.0 16V Ceramic	VCKYTV1CF105Z
	C1746	1000p 50V Ceramic	VCKYCY1HB102K
	C1748	0.33 16V Ceramic	VCKYCY1CF334Z
	C1749	100 16V Electrolytic	VCEAPF1CN107M
	C1750	330 16V Electrolytic	VCEASH1CN337M
	C1751	5600p 50V Ceramic	VCKYCY1HB562K
	C1752	82 16V Electrolytic	VCAAPF1CJ826M
	C1753	5600p 50V Ceramic	VCKYCY1HB562K
	C1754	100 50V Electrolytic	VCEASH1HN107M
	C1755	0.1 50V Ceramic	VCKYTV1HF104Z
	C1756	1.0 16V Ceramic	VCKYTV1CF105Z
	C1757	330 16V Electrolytic	VCEASH1CN337M
	C1758	1.0 16V Ceramic	VCKYTV1CF105Z
	C1759	220 16V Electrolytic	RC-EZ1339CEZZ
	C1764	330 16V Electrolytic	VCEASH1CN337M
	C1765	1.0 16V Ceramic	VCKYTV1CF105Z
	C1766	220 16V Electrolytic	RC-EZ1339CEZZ
	C1767	1.0 16V Ceramic	VCKYTV1CF105Z
	C1768	330 16V Electrolytic	VCEASH1CN337M
	C1769	220 16V Electrolytic	RC-EZ1339CEZZ
	C1770	1000p 50V Ceramic	VCKYCY1HB102K
	C1771	1000p 50V Ceramic	VCKYCY1HB102K
	C1772	1000p 50V Ceramic	VCKYCY1HB102K
	C1773	1000p 50V Ceramic	VCKYCY1HB102K
	C1774	470 16V Electrolytic	VCEASD1CN477M
	C1775	330 16V Electrolytic	VCEASD1CN337M
	C1776	1000p 50V Ceramic	VCKYCY1HB102K
	C1777	1000p 50V Ceramic	VCKYCY1HB102K
	C1778	100 6.3V Electrolytic	VCEAPF0JW107M
	C1779	0.1 25V Ceramic	VCKYCY1EF104Z
	C1780	1000p 50V Ceramic	VCKYCY1HB102K
	C1781	1000p 50V Ceramic	VCKYCY1HB102K
	C1782	1000p 50V Ceramic	VCKYCY1HB102K
	C1783	39 16V Electrolytic	VCAAPF1CJ396M
	C1784	82 16V Electrolytic	VCAAPF1CJ826M
	C1785	150 10V Electrolytic	VCAAPF1AJ157M
	C1787	1000p 50V Ceramic	VCKYCY1HB102K
	C1788	1000p 50V Ceramic	VCKYCY1HB102K
	C1789	1000p 50V Ceramic	VCKYCY1HB102K
	C1790	1000p 50V Ceramic	VCKYCY1HB102K
	C1791	1000p 50V Ceramic	VCKYCY1HB102K
	C1792	0.33 16V Ceramic	VCKYCY1CF334Z
	C1793	100 16V Electrolytic	VCEASM1CN107M
	C1794	0.33 16V Ceramic	VCKYCY1CF334Z
	C1795	100 16V Electrolytic	VCEASM1CN107M
	C1796	0.33 16V Ceramic	VCKYCY1CF334Z
	C1797	100 16V Electrolytic	VCEASM1CN107M
	C1798	1000p 50V Ceramic	VCKYCY1HB102K
	C1901	100 6.3V Electrolytic	VCEAPF0JW107M
	C1902	0.1 25V Ceramic	VCKYCY1EF104Z
	C1903	0.1 25V Ceramic	VCKYCY1EF104Z
	C1904	0.1 25V Ceramic	VCKYCY1EF104Z
	C1905	0.1 25V Ceramic	VCKYCY1EF104Z
	C1906	0.1 25V Ceramic	VCKYCY1EF104Z
	C1907	0.1 25V Ceramic	VCKYCY1EF104Z
	C1908	100 6.3V Electrolytic	VCEAPF0JW107M
	C1909	0.1 25V Ceramic	VCKYCY1EF104Z
	C1910	0.1 25V Ceramic	VCKYCY1EF104Z
	C1911	0.1 25V Ceramic	VCKYCY1EF104Z
	C7201	0.1 25V Ceramic	VCKYCY1EF104Z
	C7203	33p 50V Ceramic	VCCCCY1HH330J
	C7204	33p 50V Ceramic	VCCCCY1HH330J
	C7205	33p 50V Ceramic	VCCCCY1HH330J
	C7206	33p 50V Ceramic	VCCCCY1HH330J
	C7207	0.1 25V Ceramic	VCKYCY1EF104Z
	C7208	0.1 25V Ceramic	VCKYCY1EF104Z
	C7209	0.1 25V Ceramic	VCKYCY1EF104Z
	C7210	0.1 25V Ceramic	VCKYCY1EF104Z
	C7221	100 6.3V Electrolytic	VCEAPF0JW107M

RESISTORS

	R403	470 1/16W Metal Oxide	VRS-CY1JF471F
	R404	470 1/16W Metal Oxide	VRS-CY1JF471F
	R405	220 1/16W Metal Oxide	VRS-CY1JF221F
	R406	390 1/16W Metal Oxide	VRS-CY1JF391F
	R409	1.0k 1/16W Metal Oxide	VRS-CY1JF102F

Mark	No.	Description	Part No.
	R410	2.7k 1/16W Metal Oxide	VRS-CY1JF272F
	R411	3.3k 1/16W Metal Oxide	VRS-CY1JF332F
	R412	560 1/16W Metal Oxide	VRS-CY1JF561J
	R413	56k 1/16W Metal Oxide	VRS-CY1JF563J
	R414	390 1/16W Metal Oxide	VRS-CY1JF391J
	R415	390 1/16W Metal Oxide	VRS-CY1JF391J
	R416	390 1/16W Metal Oxide	VRS-CY1JF391J
	R417	390 1/16W Metal Oxide	VRS-CY1JF391J
	R418	390 1/16W Metal Oxide	VRS-CY1JF391J
	R420	390 1/16W Metal Oxide	VRS-CY1JF391J
	R421	390 1/16W Metal Oxide	VRS-CY1JF391J
	R422	100 1/16W Metal Oxide	VRS-CY1JF101J
	R423	100 1/16W Metal Oxide	VRS-CY1JF101J
	R424	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R425	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R435	100 1/16W Metal Oxide	VRS-CY1JF101J
	R436	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R437	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R439	27k 1/16W Metal Oxide	VRS-CY1JF273J
	R440	27k 1/16W Metal Oxide	VRS-CY1JF273J
	R441	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R442	0 1/16W Metal Oxide	VRS-CY1JF000J
	R444	100 1/16W Metal Oxide	VRS-CY1JF101J
	R445	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R446	330 1/16W Metal Oxide	VRS-CY1JF331J
	R447	360 1/16W Metal Oxide	VRS-CY1JF361J
	R448	100 1/16W Metal Oxide	VRS-CY1JF101J
	R449	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R450	330 1/16W Metal Oxide	VRS-CY1JF331J
	R451	330 1/16W Metal Oxide	VRS-CY1JF331J
	R452	100 1/16W Metal Oxide	VRS-CY1JF101J
	R453	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R454	330 1/16W Metal Oxide	VRS-CY1JF331J
	R455	390 1/16W Metal Oxide	VRS-CY1JF391J
	R456	100 1/16W Metal Oxide	VRS-CY1JF101J
	R457	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R458	330 1/16W Metal Oxide	VRS-CY1JF331J
	R459	560 1/16W Metal Oxide	VRS-CY1JF561J
	R460	240 1/16W Metal Oxide	VRS-CY1JF241F
	R461	390 1/16W Metal Oxide	VRS-CY1JF391F
	R464	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R465	2.7k 1/16W Metal Oxide	VRS-CY1JF272F
	R466	3.3k 1/16W Metal Oxide	VRS-CY1JF332F
	R467	560 1/16W Metal Oxide	VRS-CY1JF561J
	R468	56k 1/16W Metal Oxide	VRS-CY1JF563J
	R469	390 1/16W Metal Oxide	VRS-CY1JF391J
	R470	390 1/16W Metal Oxide	VRS-CY1JF391J
	R471	390 1/16W Metal Oxide	VRS-CY1JF391J
	R472	390 1/16W Metal Oxide	VRS-CY1JF391J
	R474	390 1/16W Metal Oxide	VRS-CY1JF391J
	R475	390 1/16W Metal Oxide	VRS-CY1JF391J
	R476	390 1/16W Metal Oxide	VRS-CY1JF391J
	R477	100 1/16W Metal Oxide	VRS-CY1JF101J
	R478	100 1/16W Metal Oxide	VRS-CY1JF101J
	R479	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R480	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R481	390 1/16W Metal Oxide	VRS-CY1JF391J
	R482	390 1/16W Metal Oxide	VRS-CY1JF391J
	R483	0 1/16W Metal Oxide	VRS-CY1JF000J
	R484	0 1/16W Metal Oxide	VRS-CY1JF000J
	R485	0 1/16W Metal Oxide	VRS-CY1JF000J
	R499	330 1/16W Metal Oxide	VRS-CY1JF331J
	R500	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R501	0 1/16W Metal Oxide	VRS-CY1JF000J
	R504	100 1/16W Metal Oxide	VRS-CY1JF101J
	R505	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R506	330 1/16W Metal Oxide	VRS-CY1JF331J
	R507	360 1/16W Metal Oxide	VRS-CY1JF361J
	R508	100 1/16W Metal Oxide	VRS-CY1JF101J
	R509	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R528	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R529	910 1/16W Metal Oxide	VRS-CY1JF911J
	R530	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R531	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R532	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R533	910 1/16W Metal Oxide	VRS-CY1JF911J
	R534	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R535	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R536	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R537	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R564	360 1/16W Metal Oxide	VRS-CY1JF361J
	R601	0 1/16W Metal Oxide	VRS-CY1JF000J
	R602	100 1/16W Metal Oxide	VRS-CY1JF101J
	R603	100 1/16W Metal Oxide	VRS-CY1JF101J
	R604	100 1/16W Metal Oxide	VRS-CY1JF101J
	R605	100 1/16W Metal Oxide	VRS-CY1JF101J
	R606	100 1/16W Metal Oxide	VRS-CY1JF101J
	R607	12k 1/16W Metal Oxide	VRS-CY1JF123J
	R608	12k 1/16W Metal Oxide	VRS-CY1JF123J
	R609	100 1/16W Metal Oxide	VRS-CY1JF101J
	R610	100 1/16W Metal Oxide	VRS-CY1JF101J
	R611	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R612	390 1/16W Metal Oxide	VRS-CY1JF391J
	R613	100 1/16W Metal Oxide	VRS-CY1JF101J
	R614	100 1/16W Metal Oxide	VRS-CY1JF101J
	R615	100 1/16W Metal Oxide	VRS-CY1JF101J
	R616	100 1/16W Metal Oxide	VRS-CY1JF101J
	R618	100 1/16W Metal Oxide	VRS-CY1JF101J
	R619	100 1/16W Metal Oxide	VRS-CY1JF101J
	R620	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R621	47 1/16W Metal Oxide	VRS-CY1JF470J
	R622	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R623	330 1/16W Metal Oxide	VRS-CY1JF331J
	R624	470 1/16W Metal Oxide	VRS-CY1JF471F
	R625	1.2k 1/16W Metal Oxide	VRS-CY1JF122J
	R626	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R627	680 1/16W Metal Oxide	VRS-CY1JF681J
	R628	47 1/16W Metal Oxide	VRS-CY1JF470J
	R629	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R630	470 1/16W Metal Oxide	VRS-CY1JF471J
	R631	100 1/16W Metal Oxide	VRS-CY1JF101J
	R632	330 1/16W Metal Oxide	VRS-CY1JF331J
	R633	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R634	1.8k 1/16W Metal Oxide	VRS-CY1JF182J
	R635	100 1/16W Metal Oxide	VRS-CY1JF101J
	R636	820 1/16W Metal Oxide	VRS-CY1JF821J
	R637	15k 1/16W Metal Oxide	VRS-CY1JF153J
	R638	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R639	820 1/16W Metal Oxide	VRS-CY1JF821J
	R640	1.8k 1/16W Metal Oxide	VRS-CY1JF182J

Mark	No.	Description	Part No.
	R641	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R642	47 1/16W Metal Oxide	VRS-CY1JF470J
	R643	680 1/16W Metal Oxide	VRS-CY1JF681J
	R644	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R645	0 1/16W Metal Oxide	VRS-CY1JF000J
	R646	47 1/16W Metal Oxide	VRS-CY1JF470J
	R647	330 1/16W Metal Oxide	VRS-CY1JF331J
	R648	100 1/16W Metal Oxide	VRS-CY1JF101J
	R649	18k 1/16W Metal Oxide	VRS-CY1JF183J
	R650	47 1/16W Metal Oxide	VRS-CY1JF470J
	R651	5.1k 1/16W Metal Oxide	VRS-CY1JF512J
	R652	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R653	470 1/16W Metal Oxide	VRS-CY1JF471J
	R654	220 1/16W Metal Oxide	VRS-CY1JF221J
	R655	15k 1/16W Metal Oxide	VRS-CY1JF153J
	R656	5.1k 1/16W Metal Oxide	VRS-CY1JF512J
	R657	330 1/16W Metal Oxide	VRS-CY1JF331J
	R658	47 1/16W Metal Oxide	VRS-CY1JF470J
	R659	1.2k 1/16W Metal Oxide	VRS-CY1JF122J
	R660	100 1/16W Metal Oxide	VRS-CY1JF101J
	R661	680 1/16W Metal Oxide	VRS-CY1JF681J
	R663	390 1/16W Metal Oxide	VRS-CY1JF391J
	R664	300 1/16W Metal Oxide	VRS-CY1JF301F
	R665	1.2k 1/16W Metal Oxide	VRS-CY1JF122J
	R666	820 1/16W Metal Oxide	VRS-CY1JF821J
	R667	47 1/16W Metal Oxide	VRS-CY1JF470J
	R668	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R669	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R670	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R674	0 1/16W Metal Oxide	VRS-CY1JF000J
	R675	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R676	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R677	47 1/16W Metal Oxide	VRS-CY1JF470J
	R678	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R679	470 1/16W Metal Oxide	VRS-CY1JF471J
	R680	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R681	330 1/16W Metal Oxide	VRS-CY1JF331J
	R682	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R683	18k 1/16W Metal Oxide	VRS-CY1JF183J
	R684	47 1/16W Metal Oxide	VRS-CY1JF470J
	R685	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R686	47 1/16W Metal Oxide	VRS-CY1JF470J
	R687	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R688	820 1/16W Metal Oxide	VRS-CY1JF821J
	R689	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R690	470 1/16W Metal Oxide	VRS-CY1JF471J
	R691	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R692	18k 1/16W Metal Oxide	VRS-CY1JF183J
	R693	47 1/16W Metal Oxide	VRS-CY1JF470J
	R694	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R695	100 1/16W Metal Oxide	VRS-CY1JF101J
	R698	0 1/16W Metal Oxide	VRS-CY1JF000J
	R704	0 1/16W Metal Oxide	VRS-CY1JF000J
	R706	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R707	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R708	100 1/16W Metal Oxide	VRS-CY1JF101J
	R709	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R710	100 1/16W Metal Oxide	VRS-CY1JF101J
	R711	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R802	100 1/16W Metal Oxide	VRS-CY1JF101J
	R803	100 1/16W Metal Oxide	VRS-CY1JF101J
	R805	27k 1/16W Metal Oxide	VRS-CY1JF273J
	R806	100 1/16W Metal Oxide	VRS-CY1JF101J
	R807	3.9k 1/16W Metal Oxide	VRS-CY1JF392J
	R808	100 1/16W Metal Oxide	VRS-CY1JF101J
	R809	100 1/16W Metal Oxide	VRS-CY1JF101J
	R810	0 1/16W Metal Oxide	VRS-CY1JF000J
	R811	27k 1/16W Metal Oxide	VRS-CY1JF273J
	R812	100 1/16W Metal Oxide	VRS-CY1JF101J
	R813	3.9k 1/16W Metal Oxide	VRS-CY1JF392J
	R816	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R817	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R818	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R819	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R820	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R821	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R822	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R823	0 1/16W Metal Oxide	VRS-CY1JF000J
	R824	0 1/16W Metal Oxide	VRS-CY1JF000J
	R825	0 1/16W Metal Oxide	VRS-CY1JF000J
	R829	680 1/16W Metal Oxide	VRS-CY1JF681J
	R830	680 1/16W Metal Oxide	VRS-CY1JF681J
	R831	470 1/16W Metal Oxide	VRS-CY1JF471J
	R832	47k 1/16W Metal Oxide	VRS-CY1JF473F
	R833	100 1/16W Metal Oxide	VRS-CY1JF101J
	R834	100 1/16W Metal Oxide	VRS-CY1JF101J
	R835	47 1/16W Metal Oxide	VRS-CY1JF470J
	R836	47 1/16W Metal Oxide	VRS-CY1JF470J
	R837	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R841	47 1/16W Metal Oxide	VRS-CY1JF470J
	R842	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R844	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R846	47 1/16W Metal Oxide	VRS-CY1JF470J
	R847	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R850	47 1/16W Metal Oxide	VRS-CY1JF470J
	R851	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R853	00 1/16W Metal Oxide	VRS-CY1JF000J
	R854	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R855	3.3M 1/16W Metal Oxide	VRS-CY1JF335J
	R856	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R857	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R858	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R859	00 1/16W Metal Oxide	VRS-CY1JF000J
	R864	100 1/16W Metal Oxide	VRS-CY1JF101J
	R865	100 1/16W Metal Oxide	VRS-CY1JF101J
	R866	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R867	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R868	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R869	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R873	22k 1/16W Metal Oxide	VRS-CY1JF223F
	R874	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R875	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R876	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R877	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R886	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R888	0 1/16W Metal Oxide	VRS-CY1JF000J
	R889	0 1/16W Metal Oxide	VRS-CY1JF000J
	R891	100 1/16W Metal Oxide	VRS-CY1JF101J
	R892	100 1/16W Metal Oxide	VRS-CY1JF101J
	R894	100 1/16W Metal Oxide	VRS-CY1JF101J

Mark	No.	Description	Part No.
	R896	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R898	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R899	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R900	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R901	18k 1/16W Metal Oxide	VRS-CY1JF183J
	R902	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R903	18k 1/16W Metal Oxide	VRS-CY1JF183J
	R904	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R905	18k 1/16W Metal Oxide	VRS-CY1JF183J
	R906	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R907	56 1/16W Metal Oxide	VRS-CY1JF560J
	R908	150 1/8W Metal Oxide	VRS-TQ2BD151J
	R909	470 1/16W Metal Oxide	VRS-CY1JF471J
	R910	180 1/16W Metal Oxide	VRS-CY1JF181J
	R911	470 1/16W Metal Oxide	VRS-CY1JF471J
	R912	4.3k 1/16W Metal Oxide	VRS-CY1JF432J
	R913	150 1/8W Metal Oxide	VRS-TQ2BD151J
	R914	1.5k 1/16W Metal Oxide	VRS-CY1JF152J
	R915	56 1/16W Metal Oxide	VRS-CY1JF560J
	R921	0 1/16W Metal Oxide	VRS-CY1JF000J
	R922	0 1/16W Metal Oxide	VRS-CY1JF000J
	R923	56 1/16W Metal Oxide	VRS-CY1JF560J
	R924	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R925	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R926	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R927	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R928	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R929	56 1/16W Metal Oxide	VRS-CY1JF560J
	R930	56 1/16W Metal Oxide	VRS-CY1JF560J
	R931	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R932	100 1/16W Metal Oxide	VRS-CY1JF101J
	R933	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R934	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R935	820 1/16W Metal Oxide	VRS-CY1JF821J
	R936	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R937	100 1/16W Metal Oxide	VRS-CY1JF101J
	R938	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R939	820 1/16W Metal Oxide	VRS-CY1JF821J
	R940	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R941	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R942	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R943	820 1/16W Metal Oxide	VRS-CY1JF821J
	R944	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R945	820 1/16W Metal Oxide	VRS-CY1JF821J
	R946	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R947	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R948	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R949	820 1/16W Metal Oxide	VRS-CY1JF821J
	R950	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R951	820 1/16W Metal Oxide	VRS-CY1JF821J
	R952	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R953	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R954	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R955	820 1/16W Metal Oxide	VRS-CY1JF821J
	R956	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R957	820 1/16W Metal Oxide	VRS-CY1JF821J
	R958	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R959	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R960	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R961	820 1/16W Metal Oxide	VRS-CY1JF821J
	R962	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R963	47 1/16W Metal Oxide	VRS-CY1JF470J
	R964	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R965	47 1/16W Metal Oxide	VRS-CY1JF470J
	R966	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R967	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R968	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R969	47 1/16W Metal Oxide	VRS-CY1JF470J
	R970	11k 1/16W Metal Oxide	VRS-CY1JF113F
	R971	6.8k 1/16W Metal Oxide	VRS-CY1JF682F
	R972	1.5k 1/16W Metal Oxide	VRS-CY1JF152F
	R973	47 1/16W Metal Oxide	VRS-CY1JF470J
	R974	1.0M 1/16W Metal Oxide	VRS-CY1JF105J
	R975	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R976	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R977	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R978	8.2k 1/16W Metal Oxide	VRS-CY1JF822J
	R979	33k 1/16W Metal Oxide	VRS-CY1JF333F
	R980	56 1/16W Metal Oxide	VRS-CY1JF560J
	R981	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R982	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R983	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R984	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R985	100 1/16W Metal Oxide	VRS-CY1JF101J
	R986	0 1/16W Metal Oxide	VRS-CY1JF000J
	R987	330 1/16W Metal Oxide	VRS-CY1JF331F
	R988	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R989	120 1/16W Metal Oxide	VRS-CY1JF121F
	R990	39k 1/16W Metal Oxide	VRS-CY1JF393F
	R991	47 1/16W Metal Oxide	VRS-CY1JF470J
	R992	100 1/16W Metal Oxide	VRS-CY1JF101J
	R993	100 1/16W Metal Oxide	VRS-CY1JF101J
	R994	100 1/16W Metal Oxide	VRS-CY1JF101J
	R995	100 1/16W Metal Oxide	VRS-CY1JF101J
	R996	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R997	56 1/16W Metal Oxide	VRS-CY1JF560J
	R998	56 1/16W Metal Oxide	VRS-CY1JF560J
	R999	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1501	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1502	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1503	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1504	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1505	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1506	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1507	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1515	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1516	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1517	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1518	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1519	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1521	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1522	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1524	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1525	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1526	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1528	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1529	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1530	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R1531	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1533	100 1/16W Metal Oxide	VRS-CY1JF101J

Mark	No.	Description	Part No.
	R1534	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1535	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1538	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1539	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1544	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1545	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1550	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1551	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1564	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1565	390 1/16W Metal Oxide	VRS-CY1JF391J
	R1566	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1568	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1569	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1570	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1571	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1572	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1573	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1594	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1596	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1701	68k 1/16W Metal Oxide	VRS-CY1JF683J
	R1702	2.7k 1/16W Metal Oxide	VRS-CY1JF272J
	R1706	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1707	27k 1/16W Metal Oxide	VRS-CY1JF273J
	R1708	39k 1/16W Metal Oxide	VRS-CY1JF393J
	R1709	10 1/4W Metal Oxide	VRS-TW2ED100J
	R1711	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1712	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1713	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1714	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1718	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1719	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1721	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1722	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1724	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1726	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1727	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1728	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1736	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R1743	12 1/4W Metal Oxide	VRS-TW2ED120J
	R1744	3.3k 1/16W Metal Oxide	VRS-CY1JF332F
	R1745	330 1/16W Metal Oxide	VRS-CY1JF331F
	R1746	1.5k 1/16W Metal Oxide	VRS-CY1JF152F
	R1747	47k 1/16W Metal Oxide	VRS-CY1JF473F
	R1751	470 1/4W Metal Oxide	VRS-TW2ED471J
	R1753	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1756	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R1763	12 1/4W Metal Oxide	VRS-TW2ED120J
	R1764	2.7k 1/16W Metal Oxide	VRS-CY1JF272F
	R1765	330 1/16W Metal Oxide	VRS-CY1JF331F
	R1766	1.8k 1/16W Metal Oxide	VRS-CY1JF182F
	R1767	12k 1/16W Metal Oxide	VRS-CY1JF123F
	R1774	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1775	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R1776	560 1/16W Metal Oxide	VRS-CY1JF561F
	R1777	30k 1/16W Metal Oxide	VRS-CY1JF303F
	R1778	4.7k 1/16W Metal Oxide	VRS-CY1JF472F
	R1779	39k 1/16W Metal Oxide	VRS-CY1JF393F
	R1780	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1781	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1782	12 1/4W Metal Oxide	VRS-TW2ED120J
	R1783	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R1784	12k 1/16W Metal Oxide	VRS-CY1JF123J
	R1785	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R1786	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1788	820 1W Metal Oxide	VRS-CR3AD821J
	R1790	68k 1/8W Metal Oxide	VRS-TQ2BD683J
	R1791	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1792	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1794	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1901	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1902	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1905	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1906	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1907	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1911	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1913	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1915	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1916	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1917	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1920	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1921	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1922	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1923	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1926	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1927	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1928	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1929	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1930	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1931	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1932	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1933	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1934	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1935	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1936	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1937	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1938	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1939	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1940	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1941	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1942	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1943	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1944	100 1/16W Metal Oxide	VRS-CY1JF101J
	R7201	1.0M 1/16W Metal Oxide	VRS-CY1JF105J
	R7202	220 1/16W Metal Oxide	VRS-CY1JF221J
	R7203	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R7205	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7206	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7207	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7208	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7209	100 1/16W Metal Oxide	VRS-CY1JF101J
	R7210	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7211	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7215	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R7216	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7217	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7224	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R7225	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R7237	100 1/16W Metal Oxide	VRS-CY1JF101J
	R7238	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R7239	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R7240	1.0k 1/16W Metal Oxide	VRS-CY1JF102J

Mark	No.	Description	Part No.
MISCELLANEOUS PARTS			
⚠	F1702	Fuse 4A	QFS-D0011CEZZ
	FB401	Ferrite Bead	RBLN-0061TAZZ
	FB601	Ferrite Bead	RBLN-0061TAZZ
	FB602	Ferrite Bead	RBLN-0061TAZZ
	FB603	Ferrite Bead	RBLN-0061TAZZ
	FB801	Ferrite Bead	RBLN-0061TAZZ
	FB802	Ferrite Bead	RBLN-0061TAZZ
	FB803	Ferrite Bead	RBLN-0061TAZZ
	FB1701	Ferrite Bead	RBLN-0210TAZZ
	FB1702	Ferrite Bead	RBLN-0210TAZZ
	FB1703	Ferrite Bead	RBLN-0210TAZZ
	FB1704	Ferrite Bead	RBLN-0210TAZZ
	FB1705	Ferrite Bead	RBLN-0210TAZZ
	FB1706	Ferrite Bead	RBLN-0210TAZZ
	FB1707	Ferrite Bead	RBLN-0210TAZZ
	FB1709	Ferrite Bead	RBLN-0210TAZZ
	FB1710	Ferrite Bead	RBLN-0210TAZZ
	FB1711	Ferrite Bead	RBLN-0210TAZZ
	FB1712	Ferrite Bead	RBLN-0210TAZZ
	FB1713	Ferrite Bead	RBLN-0210TAZZ
	FB1714	Ferrite Bead	RBLN-0210TAZZ
	FB1715	Ferrite Bead	RBLN-0210TAZZ
	FB1716	Ferrite Bead	RBLN-0210TAZZ
	FB1717	Ferrite Bead	RBLN-0210TAZZ
	FB1718	Ferrite Bead	RBLN-0210TAZZ
	FB1719	Ferrite Bead	RBLN-0210TAZZ
	FB1720	Ferrite Bead	RBLN-0210TAZZ
	FB1721	Ferrite Bead	RBLN-0210TAZZ
	FB1722	Ferrite Bead	RBLN-0210TAZZ
	FB1723	Ferrite Bead	RBLN-0210TAZZ
	FB1724	Ferrite Bead	RBLN-0051TAZZ
	FB1725	Ferrite Bead	RBLN-0210TAZZ
	FB1727	Ferrite Bead	RBLN-0210TAZZ
	FB1728	Ferrite Bead	RBLN-0210TAZZ
	FB1729	Ferrite Bead	RBLN-0210TAZZ
	FB1730	Ferrite Bead	RBLN-0210TAZZ
	FB1731	Ferrite Bead	RBLN-0006TAZZ
	FB1732	Ferrite Bead	RBLN-0210TAZZ
	FB1733	Ferrite Bead	RBLN-0210TAZZ
	FB1734	Ferrite Bead	RBLN-0210TAZZ
	FB1735	Ferrite Bead	RBLN-0210TAZZ
	FB1736	Ferrite Bead	RBLN-0210TAZZ
	FB1737	Ferrite Bead	RBLN-0210TAZZ
	FB1740	Ferrite Bead	RBLN-0210TAZZ
	FB1741	Ferrite Bead	RBLN-0210TAZZ
	FB1742	Ferrite Bead	RBLN-0210TAZZ
	FB1744	Ferrite Bead	RBLN-0210TAZZ
	FB1745	Ferrite Bead	RBLN-0210TAZZ
	FB1746	Ferrite Bead	RBLN-0210TAZZ
	FB1747	Ferrite Bead	RBLN-0210TAZZ
	FB1748	Ferrite Bead	RBLN-0210TAZZ
	FB1749	Ferrite Bead	RBLN-0210TAZZ
	FB1751	Ferrite Bead	RBLN-0210TAZZ
	FB1752	Ferrite Bead	RBLN-0210TAZZ
	FB1901	Ferrite Bead	RBLN-0060TAZZ
	FB1902	Ferrite Bead	RBLN-0060TAZZ
	FB7201	Ferrite Bead	RBLN-0061TAZZ
	FB7203	Ferrite Bead	RBLN-0061TAZZ
	FH1703	Fuse Holder	QFSHD1002CEZZ
	FH1704	Fuse Holder	QFSHD1002CEZZ
	P1502	Plug 12-pin	QPLGN0549FJZZ
	P1504	Plug 10-pin	QPLGN0060CEZZ
	P1702	Plug 13-pin	QPLGN0550FJZZ
	P1703	Plug 12-pin	QPLGN0062CEZZ
	P1901	Plug 10-pin	QPLGN1094CEZZ
	SC1501	Socket 30-pin	QSOCN0490FJZZ
	SC1502	Socket 50-pin	QSOCN0464FJZZ
	SC1503	Socket 30-pin	QSOCN0550FJZZ
	SC1504	Socket 30-pin	QSOCN0490FJZZ
		Connecting Cord	QCNW-6077CEZZ

B FRONT UNIT

Mark	No.	Description	Part No.
INTEGTATED CIRCUIT			
	IC3401	24LC21T	VHi24LC21//-1
TRANSISTORS			
	Q3401	2SC2735	VS2SC2735//1E
	Q3402	2SC2735	VS2SC2735//1E
	Q3403	2SC2735	VS2SC2735//1E
DIODES			
	D3401	Zener Diode	RH-EX1264CEZZ
	D3402	Diode	VHDMA3120WA-1
	D3403	Diode	VHDMA3120WA-1
	D3404	Diode	VHDMA3120WA-1
	D3405	Zener Diode	RH-EX1264CEZZ
	D3406	Zener Diode	RH-EX1264CEZZ
	D3407	Zener Diode	RH-EX1271CEZZ
	D3408	Zener Diode	RH-EX1271CEZZ
	D3409	Diode	VHDDAN222//-1
FILTERS AND COIL			
	FL3401	Filter	RFiLN0003TAZZ
	FL3402	Filter	RFiLN0003TAZZ
	FL3403	Filter	RFiLN0003TAZZ
	FL3412	Filter	RFiLN0017TAZZ
	FL3413	Filter	RFiLN0017TAZZ
	FL3414	Filter	RFiLN0017TAZZ
	L3401	Peaking 10µH	VP-1M100J1R6N
CAPACITORS			
	C3401	100 6.3V Electrolytic	VCEAPF0JW107M
	C3402	0.01 50V Ceramic	VCKYCY1HF103Z
	C3403	0.1 25V Ceramic	VCKYCY1EF104Z
	C3404	47 16V Electrolytic	VCEAPF1CW476M
	C3405	0.01 50V Ceramic	VCKYCY1HB103K
	C3406	10 16V Electrolytic	VCEAPF1CW106M
	C3407	0.01 50V Ceramic	VCKYCY1HB103K
	C3408	10 16V Electrolytic	VCEAPF1CW106M
	C3409	0.01 50V Ceramic	VCKYCY1HB103K
	C3410	10 16V Electrolytic	VCEAPF1CW106M
	C3411	10 16V Electrolytic	VCEAPF1CN106M
	C3412	10 16V Electrolytic	VCEAPF1CN106M
	C3414	10p 50V Ceramic	VCCCCY1HH100D
	C3415	10 16V Electrolytic	VCEAPF1CN106M
	C3416	0.1 25V Ceramic	VCKYCY1EF104Z
	C3417	10p 50V Ceramic	VCCCCY1HH100D
	C3418	10 16V Electrolytic	VCEAPF1CW106M
	C3420	0.01 50V Ceramic	VCKYCY1HB103K
	C3421	0.01 50V Ceramic	VCKYCY1HB103K
	C3422	0.01 50V Ceramic	VCKYCY1HB103K

Mark	No.	Description	Part No.
	C3423	0.1 25V Ceramic	VCKYCY1EF104Z
	C3426	10 25V Electrolytic	VCEAPW1EN106M
	C3427	10 25V Electrolytic	VCEAPW1EN106M
	C3428	100p 50V Ceramic	VCCCCY1HH101J
	C3429	100p 50V Ceramic	VCCCCY1HH101J
	C3430	56p 50V Ceramic	VCCCCY1HH560J
	C3431	56p 50V Ceramic	VCCCCY1HH560J
	C3432	100p 50V Ceramic	VCCCCY1HH101J
	C3433	1000p 50V Ceramic	VCKYCY1HB102K
	C3434	1000p 50V Ceramic	VCKYCY1HB102K
	C3435	100p 50V Ceramic	VCCCCY1HH101J
RESISTORS			
	R3401	560 1/8W Metal Oxide	VRS-TQ2BD561J
	R3402	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3403	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R3404	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3405	560 1/8W Metal Oxide	VRS-TQ2BD561J
	R3406	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3407	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R3408	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3409	560 1/8W Metal Oxide	VRS-TQ2BD561J
	R3410	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3411	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R3412	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3413	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3414	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3415	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R3416	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3417	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R3418	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R3422	75 1/4W Metal Oxide	VRS-TW2ED750J
	R3423	75 1/4W Metal Oxide	VRS-TW2ED750J
	R3424	75 1/4W Metal Oxide	VRS-TW2ED750J
	R3425	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3427	0 1/16W Metal Oxide	VRS-CY1JF000J
	R3428	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R3429	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R3430	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R3431	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R3432	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R3433	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3434	75 1/4W Metal Oxide	VRS-TW2ED750J
	R3435	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3436	270k 1/16W Metal Oxide	VRS-CY1JF274F
	R3437	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R3439	47 1/16W Metal Oxide	VRS-CY1JF470J
	R3440	47 1/16W Metal Oxide	VRS-CY1JF470J
	R3441	47 1/16W Metal Oxide	VRS-CY1JF470J
	R3442	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R3443	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R3444	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3445	4.7 1/4W Metal Oxide	VRS-TW2ED4R7J
	R3446	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R3447	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R3448	4.7 1/4W Metal Oxide	VRS-TW2ED4R7J
	R3449	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3450	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3451	100 1/16W Metal Oxide	VRS-CY1JF101J
	R3453	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R3454	2.2k 1/16W Metal Oxide	VRS-CY1JF222J

Mark	No.	Description	Part No.
SWITCHE			
	SW3401	CLEAR Button	QSW-K0069CEZZ
MISCELLANEOUS PARTS			
	FB3401	Ferrite Bead	RBLN-0076TAZZ
	FB3402	Ferrite Bead	RBLN-0060TAZZ
	FB3403	Ferrite Bead	RBLN-0060TAZZ
	FB3404	Ferrite Bead	RBLN-0060TAZZ
	FB3405	Ferrite Bead	RBLN-0062TAZZ
	FB3406	Ferrite Bead	RBLN-0062TAZZ
	FB3407	Ferrite Bead	RBLN-0062TAZZ
	FB3408	Ferrite Bead	RBLN-0062TAZZ
	FB3409	Ferrite Bead	RBLN-0062TAZZ
	FB3410	Ferrite Bead	RBLN-0062TAZZ
	FB3411	Ferrite Bead	RBLN-0062TAZZ
	J3401	Jack, INPUT 4 (S-VIDEO/VIDEO/AUDIO)	QJAKZ0102PEZZ
	J3403	Jack, PC INPUT (AUDIO)	QJAKJ0047CEZZ
	P3401	Plug, 12-pin	QPLGN1278GEZZ
	P3402	Plug, 18-pin	QPLGN0428FJZZ
	SC3401	Socket, PC INPUT (ANALOG RGB)	QSOCN1594CEZZ

C AV UNIT

TUNER

	TU1101	Tuner	VTUVT4T5FD203

INTEGRATED CIRCUITS

	IC1102	M62320FP	VHiM62320FP-1
	IC1103	BA05FP	VHiBA05FP++-1
	IC1104	MM1506XNRE	VHiMM1506XN-1
	IC1105	MM1506XNRE	VHiMM1506XN-1
	IC1301	CXA2069Q	VHiCXA2069Q-1
	IC1401	MM1519XQ	VHiMM1519XQ-1
	IC1601	I.C.	VHiSDA5550M-1
	IC1602	I.C.	RH-iXA134WJN1
	IC1603	I.C.	VHi62S8308X-1
	IC1604	MM1501XNRE	VHiMM1501XN-1
	IC1605	TC7WH157FK	VHi7WH157FK-1
	IC1606	BA033FP-E2	VHiBA033FP/-1
	IC1607	IC-PST9121NR	VHiPST9121N-1
	IC1608	SN74LVC157APWR	VHiLVC157T+-1
	IC1609	SN74LVC04APWR	VHiLVC04AT+-1
	IC1611	IC-PST9128NR	VHiPST9128N-1
	IC1612	I.C.	VHiTC7SZ08U-1
	IC1613	BA25BC0FP	VHiBA025FP+-1
	IC1614	TC74VHC08FT	VHiTCVHC08T-1
	IC1615	TC74LVX86FT	VHi74LVX86T-1
	IC1616	I.C.	VHiNC7SZ58P-1
	IC2501	MSP3410G-QA-B5	RH-iX3371CEZZ
	IC2503	PST529DMT	VHiPST529DM-1
	IC2504	NJM4560M	VHiNJM4560M-1

TRANSISTORS

	Q1101	DTC314TK	VSDTC314TK/-1
	Q1102	DTC314TK	VSDTC314TK/-1
	Q1103	2SC3928AR	VS2SC3928AR-1
	Q1104	DTC314TK	VSDTC314TK/-1
	Q1105	2SC3928AR	VS2SC3928AR-1

Mark	No.	Description	Part No.
	Q1106	2SC3928AR	VS2SC3928AR-1
	Q1107	DTC314TK	VSDTC314TK/-1
	Q1108	2SC3928AR	VS2SC3928AR-1
	Q1109	DTC314TK	VSDTC314TK/-1
	Q1110	2SC3928AR	VS2SC3928AR-1
	Q1111	2SC3928AR	VS2SC3928AR-1
	Q1112	DTC314TK	VSDTC314TK/-1
	Q1113	2SC3928AR	VS2SC3928AR-1
	Q1114	2SC3928AR	VS2SC3928AR-1
	Q1115	2SC3928AR	VS2SC3928AR-1
	Q1116	DTC314TK	VSDTC314TK/-1
	Q1117	DTC314TK	VSDTC314TK/-1
	Q1119	2SC3928AR	VS2SC3928AR-1
	Q1120	2SC3928AR	VS2SC3928AR-1
	Q1121	2SC3928AR	VS2SC3928AR-1
	Q1122	2SC3928AR	VS2SC3928AR-1
	Q1123	2SA1530AR	VS2SA1530AR-1
	Q1124	2SC3928AR	VS2SC3928AR-1
	Q1125	2SC3928AR	VS2SC3928AR-1
	Q1126	2SC3928AR	VS2SC3928AR-1
	Q1127	DTC144EE	VSDTC144EE/-1
	Q1128	DTA144EE	VSDTA144EE/-1
	Q1129	DTC144EE	VSDTC144EE/-1
	Q1130	DTA144EE	VSDTA144EE/-1
	Q1131	2SA1530AR	VS2SA1530AR-1
	Q1132	2SC3928AR	VS2SC3928AR-1
	Q1134	2SC3928AR	VS2SC3928AR-1
	Q1135	2SA1530AR	VS2SA1530AR-1
	Q1401	2SC3928AR	VS2SC3928AR-1
	Q1402	2SC3928AR	VS2SC3928AR-1
	Q1403	2SA1530AR	VS2SA1530AR-1
	Q1404	2SC3928AR	VS2SC3928AR-1
	Q1405	2SA1530AR	VS2SA1530AR-1
	Q1406	2SA1530AR	VS2SA1530AR-1
	Q1407	2SA1530AR	VS2SA1530AR-1
	Q1601	2SC3928AR	VS2SC3928AR-1
	Q1602	2SC3928AR	VS2SC3928AR-1
	Q1604	2SC3928AR	VS2SC3928AR-1
	Q1605	2SA1530AR	VS2SA1530AR-1
	Q1606	2SC3928AR	VS2SC3928AR-1
	Q1607	2SA1530AR	VS2SA1530AR-1
	Q1608	DTC144TE	VSDTC144TE/-1
	Q1609	2SA1530AR	VS2SA1530AR-1
	Q1610	2SA1530AR	VS2SA1530AR-1
	Q1611	2SA1530AR	VS2SA1530AR-1
	Q1612	2SA1530AR	VS2SA1530AR-1
	Q2502	2SA1530AR	VS2SA1530AR-1
	Q2503	2SA1530AR	VS2SA1530AR-1
	Q2504	2SA1530AR	VS2SA1530AR-1
	Q2505	2SA1530AR	VS2SA1530AR-1
	Q2506	2SA1530AR	VS2SA1530AR-1
	Q2507	DTA144EE	VSDTA144EE/-1
	Q2508	DTC144EE	VSDTC144EE/-1
	Q2509	2SC3928AR	VS2SC3928AR-1
	Q2510	2SC3928AR	VS2SC3928AR-1

DIODES

D1102	Zener Diode	RH-EX1264CEZZ
D1105	Zener Diode	RH-EX1264CEZZ
D1114	Zener Diode	RH-EX1264CEZZ
D1119	Zener Diode	RH-EX1264CEZZ
D1122	Zener Diode	RH-EX1264CEZZ
D1128	Zener Diode	RH-EX0674GEZZ
D1130	Zener Diode	RH-EX0882CEZZ
D1131	Zener Diode	RH-EX0882CEZZ
D1132	Zener Diode	RH-EX0882CEZZ
D1133	Zener Diode	RH-EX0882CEZZ
D1134	Diode	VHDHSU119//-1
D1135	Diode	VHDHSU119//-1
D1136	Diode	VHDHSU119//-1
D1302	Zener Diode	RH-EX1264CEZZ
D1303	Zener Diode	RH-EX1264CEZZ
D1305	Zener Diode	RH-EX1264CEZZ
D1306	Zener Diode	RH-EX1264CEZZ
D1308	Zener Diode	RH-EX1264CEZZ
D1309	Zener Diode	RH-EX1264CEZZ
D1310	Zener Diode	RH-EX1264CEZZ
D1311	Zener Diode	RH-EX1264CEZZ
D1312	Zener Diode	RH-EX1264CEZZ
D1313	Zener Diode	RH-EX1264CEZZ
D1401	Zener Diode	RH-EX1264CEZZ
D1402	Zener Diode	RH-EX1264CEZZ
D1403	Zener Diode	RH-EX1264CEZZ
D1406	Diode	VHDMA157A//-1
D1407	Diode	VHDMA157A//-1
D1411	Zener Diode	RH-EX1264CEZZ
D1412	Zener Diode	RH-EX1264CEZZ
D1413	Zener Diode	RH-EX1264CEZZ
D1602	Diode	VHDHSU119//-1
D2502	Diode	VHDDAN222//-1
D2503	Diode	VHD1SS250//1E
D2504	Diode	VHD1SS250//1E
D2505	Diode	VHDMA157A//-1
D2506	Diode	VHDHSU119//-1
D2507	Diode	VHDHSU119//-1

PACKAGED CIRCUITS

X1601	Crystal	RCRSCA002WJZZ
X2501	Crystal	RCRSB0250GEZZ

FILTERS AND COILS

FL1105	Filter	RFiLN0017TAZZ
FL1106	Filter	RFiLN0017TAZZ
FL1107	Filter	RFiLN0017TAZZ
FL1108	Filter	RFiLN0017TAZZ
FL1109	Filter	RFiLN0017TAZZ
FL1112	Filter	RFiLN0017TAZZ
FL1113	Filter	RFiLN0017TAZZ
FL1114	Filter	RFiLN0017TAZZ
FL1118	Filter	RFiLN0017TAZZ
FL1119	Filter	RFiLN0017TAZZ
FL1120	Filter	RFiLN0017TAZZ
FL1121	Filter	RFiLN0017TAZZ
FL1122	Filter	RFiLN0017TAZZ
FL1125	Filter	RFiLN0017TAZZ
FL1126	Filter	RFiLN0017TAZZ
FL1127	Filter	RFiLN0017TAZZ
FL1128	Filter	RFiLN0017TAZZ
FL1133	Filter	RFiLN0017TAZZ
FL1134	Filter	RFiLN0017TAZZ
L1101	Peaking 4.7µH	VP-1M4R7J1R2N
L1102	Peaking 2.7µH	VP-1M2R7JR85N
L1103	Peaking 4.7µH	VP-1M4R7J1R2N
L1104	Peaking 3.3µH	VP-1M3R3JR93N
L1105	Peaking 5.6µH	VP-1M5R6J1R2N
L1106	Peaking 3.3µH	VP-1M3R3JR93N

Mark	No.	Description	Part No.
	L1107	Peaking 4.7µH	VP-1M4R7J1R2N
	L1108	Peaking 2.7µH	VP-1M2R7JR85N
	L1109	Peaking 4.7µH	VP-1M4R7J1R2N
	L1110	Peaking 4.7µH	VP-1M4R7J1R2N
	L1111	Peaking 10µH	VP-1M100J1R6N
	L1401	Peaking 10µH	VP-1M100J1R6N
	L1601	Peaking 27µH	VP-1M270J3R8N
	L2501	Peaking 100µH	VP-1M101J7R7N
	L2502	Peaking 4.7µH	VP-1M4R7J1R2N
	L2503	Peaking 100µH	VP-1M101J7R7N
CONTROL			
	R1142	1k (B) Video level adj.	RVR-M7997TAZZ
CAPACITORS			
	C1101	100p 50V Ceramic	VCCCCY1HH101J
	C1102	1.0 16V Ceramic	VCKYTV1CB105K
	C1103	10p 50V Ceramic	VCCCCY1HH100D
	C1104	220p 50V Ceramic	VCCCCY1HH221J
	C1105	1.0 16V Ceramic	VCKYTV1CB105K
	C1106	1000p 50V Ceramic	VCKYCY1HB102K
	C1107	1000p 50V Ceramic	VCKYCY1HB102K
	C1108	56p 50V Ceramic	VCCCCY1HH560J
	C1109	56p 50V Ceramic	VCCCCY1HH560J
	C1110	1.0 16V Ceramic	VCKYTV1CB105K
	C1111	10p 50V Ceramic	VCCCCY1HH100D
	C1112	1.0 16V Ceramic	VCKYTV1CB105K
	C1113	1.0 16V Ceramic	VCKYTV1CB105K
	C1114	1.0 16V Ceramic	VCKYTV1CB105K
	C1115	330p 50V Ceramic	VCKYCY1HB331K
	C1116	330p 50V Ceramic	VCKYCY1HB331K
	C1117	470p 50V Ceramic	VCKYCY1HB471K
	C1118	470p 50V Ceramic	VCKYCY1HB471K
	C1119	1.0 16V Ceramic	VCKYTV1CB105K
	C1120	1.0 16V Ceramic	VCKYTV1CB105K
	C1121	1.0 16V Ceramic	VCKYTV1CB105K
	C1122	1.0 16V Ceramic	VCKYTV1CB105K
	C1123	100p 50V Ceramic	VCCCCY1HH101J
	C1124	1.0 16V Ceramic	VCKYTV1CB105K
	C1125	10p 50V Ceramic	VCCCCY1HH100D
	C1126	220p 50V Ceramic	VCKYCY1HB221K
	C1127	1.0 16V Ceramic	VCKYTV1CB105K
	C1128	1000p 50V Ceramic	VCKYCY1HB102K
	C1129	1000p 50V Ceramic	VCKYCY1HB102K
	C1130	56p 50V Ceramic	VCCCCY1HH560J
	C1131	56p 50V Ceramic	VCCCCY1HH560J
	C1132	1.0 16V Ceramic	VCKYTV1CB105K
	C1133	47 16V Electrolytic	VCEAPF1CW476M
	C1134	0.1 25V Ceramic	VCKYCY1EF104Z
	C1135	10p 50V Ceramic	VCCCCY1HH100D
	C1136	0.1 25V Ceramic	VCKYCY1EF104Z
	C1137	330p 50V Ceramic	VCKYCY1HB331K
	C1138	330p 50V Ceramic	VCKYCY1HB331K
	C1139	470p 50V Ceramic	VCKYCY1HB471K
	C1140	470p 50V Ceramic	VCKYCY1HB471K
	C1141	1.0 16V Ceramic	VCKYTV1CB105K
	C1142	1.0 16V Ceramic	VCKYTV1CB105K
	C1143	1.0 16V Ceramic	VCKYTV1CB105K
	C1144	1.0 16V Ceramic	VCKYTV1CB105K
	C1145	100p 50V Ceramic	VCCCCY1HH101J
	C1146	1.0 16V Ceramic	VCKYTV1CB105K
	C1147	10p 50V Ceramic	VCCCCY1HH100D
	C1148	220p 50V Ceramic	VCKYCY1HB221K
	C1149	1.0 16V Ceramic	VCKYTV1CB105K
	C1150	1000p 50V Ceramic	VCKYCY1HB102K
	C1151	1000p 50V Ceramic	VCKYCY1HB102K
	C1152	56p 50V Ceramic	VCCCCY1HH560J
	C1153	56p 50V Ceramic	VCCCCY1HH560J
	C1154	1.0 16V Ceramic	VCKYTV1CB105K
	C1155	10p 50V Ceramic	VCCCCY1HH100D
	C1156	1.0 16V Ceramic	VCKYTV1CB105K
	C1157	1.0 16V Ceramic	VCKYTV1CB105K
	C1158	1.0 16V Ceramic	VCKYTV1CB105K
	C1159	330p 50V Ceramic	VCKYCY1HB331K
	C1160	330p 50V Ceramic	VCKYCY1HB331K
	C1161	470p 50V Ceramic	VCKYCY1HB471K
	C1162	470p 50V Ceramic	VCKYCY1HB471K
	C1163	1.0 16V Ceramic	VCKYTV1CB105K
	C1164	1.0 16V Ceramic	VCKYTV1CB105K
	C1165	1.0 16V Ceramic	VCKYTV1CB105K
	C1166	1.0 16V Ceramic	VCKYTV1CB105K
	C1167	10 16V Electrolytic	VCEAPF1CN106M
	C1168	470 16V Electrolytic	VCEAPW1CN477M
	C1169	10 16V Electrolytic	VCEAPF1CN106M
	C1170	1.0 16V Ceramic	VCKYTV1CB105K
	C1171	1.0 16V Ceramic	VCKYTV1CB105K
	C1172	10 16V Electrolytic	VCEAPF1CN106M
	C1173	1.0 16V Ceramic	VCKYTV1CB105K
	C1174	1.0 16V Ceramic	VCKYTV1CB105K
	C1175	0.01 50V Ceramic	VCKYCY1HB103K
	C1176	470 16V Electrolytic	VCEAPW1CN477M
	C1177	470 16V Electrolytic	VCEAPW1CN477M
	C1178	0.1 25V Ceramic	VCKYCY1EF104Z
	C1179	47 16V Electrolytic	VCEAPF1CW476M
	C1180	0.1 25V Ceramic	VCKYCY1EF104Z
	C1181	47 16V Electrolytic	VCEAPF1CW476M
	C1182	0.01 50V Ceramic	VCKYCY1HB103K
	C1183	56p 50V Ceramic	VCCCCY1HH560J
	C1184	56p 50V Ceramic	VCCCCY1HH560J
	C1185	270p 50V Ceramic	VCCCCY1HH271J
	C1187	120p 50V Ceramic	VCCCCY1HH121J
	C1188	82p 50V Ceramic	VCCCCY1HH820J
	C1189	18p 50V Ceramic	VCCCCY1HH180J
	C1190	150p 50V Ceramic	VCCCCY1HH151J
	C1191	120p 50V Ceramic	VCCCCY1HH121J
	C1192	0.01 50V Ceramic	VCKYCY1HB103K
	C1193	47 16V Electrolytic	VCEAPF1CW476M
	C1194	0.1 25V Ceramic	VCKYCY1EF104Z
	C1195	0.1 25V Ceramic	VCKYCY1EF104Z
	C1196	100 6.3V Electrolytic	VCEAPF0JW107M
	C1197	100p 50V Ceramic	VCCCCY1HH101J
	C1198	100p 50V Ceramic	VCCCCY1HH101J
	C1199	470 6.3V Electrolytic	VCEAPW0JN477M
	C1200	0.1 25V Ceramic	VCKYCY1EF104Z
	C1201	0.01 50V Ceramic	VCKYCY1HF103Z
	C1202	1000p 50V Ceramic	VCKYCY1HB102K
	C1203	0.1 25V Ceramic	VCKYCY1EF104Z
	C1204	10 16V Electrolytic	VCEAPF1CW106M
	C1205	0.1 25V Ceramic	VCKYCY1EF104Z
	C1206	0.01 50V Ceramic	VCKYCY1HB103K

Mark	No.	Description	Part No.
	C1207	470 16V Electrolytic	VCEAPW1CN477M
	C1208	470 16V Electrolytic	VCEAPW1CN477M
	C1209	1.0 50V Electrolytic	VCEAPF1HW105M
	C1210	33p 50V Ceramic	VCCCCY1HH330J
	C1211	33p 50V Ceramic	VCCCCY1HH330J
	C1212	10 16V Electrolytic	VCEAPF1CW106M
	C1213	0.1 25V Ceramic	VCKYCY1EF104Z
	C1215	100p 50V Ceramic	VCCCCY1HH101J
	C1216	100p 50V Ceramic	VCCCCY1HH101J
	C1217	0.1 25V Ceramic	VCKYCY1EF104Z
	C1218	100 16V Electrolytic	VCEAPW1CN107M
	C1219	100 6.3V Electrolytic	VCEAPW0JN107M
	C1220	0.1 25V Ceramic	VCKYCY1EF104Z
	C1222	10 16V Electrolytic	VCEAPF1CW106M
	C1224	10 16V Electrolytic	VCEAPF1CW106M
	C1225	270p 50V Ceramic	VCCCCY1HH271J
	C1226	10 16V Electrolytic	VCEAPF1CW106M
	C1227	1000p 50V Ceramic	VCKYCY1HB102K
	C1228	120p 50V Ceramic	VCCCCY1HH121J
	C1229	220p 50V Ceramic	VCCCCY1HH221J
	C1231	0.1 25V Ceramic	VCKYCY1EF104Z
	C1232	0.1 25V Ceramic	VCKYCY1EF104Z
	C1233	10 16V Electrolytic(N.P)	VCE9PF1CW106M
	C1234	1000p 50V Ceramic	VCKYCY1HB102K
	C1235	10 16V Electrolytic(N.P)	VCE9PF1CW106M
	C1301	470p 50V Ceramic	VCKYCY1HB471K
	C1302	470p 50V Ceramic	VCKYCY1HB471K
	C1303	470p 50V Ceramic	VCKYCY1HB471K
	C1304	470p 50V Ceramic	VCKYCY1HB471K
	C1305	470p 50V Ceramic	VCKYCY1HB471K
	C1306	470p 50V Ceramic	VCKYCY1HB471K
	C1307	470p 50V Ceramic	VCKYCY1HB471K
	C1308	470p 50V Ceramic	VCKYCY1HB471K
	C1309	0.1 25V Ceramic	VCKYCY1EF104Z
	C1310	0.1 25V Ceramic	VCKYCY1EF104Z
	C1311	22 16V Electrolytic	VCEAPF1CW226M
	C1312	10 10V Electrolytic(N.P)	VCE9PF1AW106M
	C1316	1.0 16V Ceramic	VCKYTV1CB105K
	C1317	10 16V Electrolytic	VCEAPF1CW106M
	C1318	0.01 50V Ceramic	VCKYCY1HB103K
	C1320	1000p 50V Ceramic	VCKYCY1HB102K
	C1321	1000p 50V Ceramic	VCKYCY1HB102K
	C1322	0.01 50V Ceramic	VCKYCY1HB103K
	C1323	1.0 16V Ceramic	VCKYTV1CB105K
	C1401	0.1 16V Ceramic	VCKYCY1CB104K
	C1402	0.1 16V Ceramic	VCKYCY1CB104K
	C1403	0.1 16V Ceramic	VCKYCY1CB104K
	C1404	0.1 16V Ceramic	VCKYCY1CB104K
	C1405	0.1 25V Ceramic	VCKYCY1EF104Z
	C1406	0.1 25V Ceramic	VCKYCY1EF104Z
	C1407	0.1 25V Ceramic	VCKYCY1EF104Z
	C1408	0.1 25V Ceramic	VCKYCY1EF104Z
	C1409	100 16V Electrolytic	VCEAPF1CW107M
	C1410	0.1 16V Ceramic	VCKYCY1CB104K
	C1411	0.1 16V Ceramic	VCKYCY1CB104K
	C1412	1.0 16V Ceramic	VCKYTV1CB105K
	C1413	1.0 16V Ceramic	VCKYTV1CB105K
	C1414	1.0 16V Ceramic	VCKYTV1CB105K
	C1415	0.1 25V Ceramic	VCKYCY1EF104Z
	C1417	0.1 25V Ceramic	VCKYCY1EF104Z
	C1418	1.0 16V Ceramic	VCKYTV1CB105K
	C1419	0.1 25V Ceramic	VCKYCY1EF104Z
	C1422	100 16V Electrolytic	VCEAPE1CW107M
	C1601	100 6.3V Electrolytic	VCEAPF0JW107M
	C1602	0.1 25V Ceramic	VCKYCY1EF104Z
	C1603	0.01 50V Ceramic	VCKYCY1HB103K
	C1604	0.01 50V Ceramic	VCKYCY1HB103K
	C1605	22 6.3V Electrolytic(N.P)	VCE9PF0JW226M
	C1606	100 16V Electrolytic	VCEAPF1CW107M
	C1607	0.01 50V Ceramic	VCKYCY1HF103Z
	C1608	1.0 10V Ceramic	VCKYCY1AF105Z
	C1609	0.33 16V Ceramic	VCKYCY1CF334Z
	C1610	0.1 25V Ceramic	VCKYCY1EF104Z
	C1611	47 6.3V Electrolytic	VCEAPF0JW476M
	C1612	47 6.3V Electrolytic	VCEAPF0JW476M
	C1613	22 16V Electrolytic	VCEAPF1CW226M
	C1614	100 6.3V Electrolytic	VCEAPF0JW107M
	C1616	180p 50V Ceramic	VCCCCY1HH181J
	C1617	47 6.3V Electrolytic	VCEAPF0JW476M
	C1618	47 6.3V Electrolytic	VCEAPF0JW476M
	C1619	0.1 25V Ceramic	VCKYCY1EF104Z
	C1621	0.1 25V Ceramic	VCKYCY1EF104Z
	C1622	0.1 25V Ceramic	VCKYCY1EF104Z
	C1623	22 6.3V Electrolytic(N.P)	VCE9PF0JW226M
	C1624	0.1 25V Ceramic	VCKYCY1EF104Z
	C1625	0.1 25V Ceramic	VCKYCY1EF104Z
	C1626	0.1 25V Ceramic	VCKYCY1EF104Z
	C1627	1.0 16V Ceramic	VCKYTV1CB105K
	C1628	0.1 25V Ceramic	VCKYCY1EF104Z
	C1629	0.1 25V Ceramic	VCKYCY1EF104Z
	C1630	0.1 25V Ceramic	VCKYCY1EF104Z
	C1631	0.1 25V Ceramic	VCKYCY1EF104Z
	C1632	0.1 25V Ceramic	VCKYCY1EF104Z
	C1633	33p 50V Ceramic	VCCCCY1HH330J
	C1634	33p 50V Ceramic	VCCCCY1HH330J
	C1635	0.1 25V Ceramic	VCKYCY1EF104Z
	C1636	0.1 25V Ceramic	VCKYCY1EF104Z
	C1637	0.1 25V Ceramic	VCKYCY1EF104Z
	C1638	0.1 25V Ceramic	VCKYCY1EF104Z
	C1639	0.1 25V Ceramic	VCKYCY1EF104Z
	C1640	0.1 25V Ceramic	VCKYCY1EF104Z
	C1641	220 6.3V Electrolytic	VCEAPF0JW227M
	C1642	0.1 25V Ceramic	VCKYCY1EF104Z
	C1644	0.1 25V Ceramic	VCKYCY1EF104Z
	C1645	0.1 25V Ceramic	VCKYCY1EF104Z
	C1646	0.1 25V Ceramic	VCKYCY1EF104Z
	C1647	0.33 16V Ceramic	VCKYCY1CF334Z
	C1648	0.1 25V Ceramic	VCKYCY1EF104Z
	C1649	0.1 25V Ceramic	VCKYCY1EF104Z
	C1650	0.1 25V Ceramic	VCKYCY1EF104Z
	C1653	220 6.3V Electrolytic	VCEAPF0JW227M
	C1654	220 6.3V Electrolytic	VCEAPF0JW227M
	C2501	0.1 25V Ceramic	VCKYCY1EF104Z
	C2502	100 6.3V Electrolytic	VCEAPF0JW107M
	C2503	0.1 25V Ceramic	VCKYCY1EF104Z
	C2504	100 16V Electrolytic	VCEAPF1CW107M
	C2508	1500p 50V Ceramic	VCKYCY1HB152K
	C2509	560p 50V Ceramic	VCKYCY1HB561K
	C2510	2.2 50V Electrolytic	VCEAPF1HW225M
	C2511	2.2 50V Electrolytic	VCEAPF1HW225M

Mark	No.	Description	Part No.
	C2512	3300p 50V Ceramic	VCKYCY1HB332K
	C2513	3300p 50V Ceramic	VCKYCY1HB332K
	C2514	3300p 50V Ceramic	VCKYCY1HB332K
	C2515	3300p 50V Ceramic	VCKYCY1HB332K
	C2516	10 16V Electrolytic	VCEAPF1CW106M
	C2517	10 16V Electrolytic	VCEAPF1CW106M
	C2518	0.1 25V Ceramic	VCKYCY1EF104Z
	C2519	100 16V Electrolytic	VCEAPF1CW107M
	C2520	100 16V Electrolytic	VCEAPF1CW107M
	C2521	3.3 50V Electrolytic	VCEAPF1HW335M
	C2522	0.1 25V Ceramic	VCKYCY1EF104Z
	C2523	1.0 16V Ceramic	VCKYTV1CB105K
	C2524	1.0 16V Ceramic	VCKYTV1CB105K
	C2525	1.0 16V Ceramic	VCKYTV1CB105K
	C2526	1.0 16V Ceramic	VCKYTV1CB105K
	C2527	0.1 25V Ceramic	VCKYCY1EF104Z
	C2528	10 16V Electrolytic	VCEAPF1CW106M
	C2529	1.0 16V Ceramic	VCKYTV1CB105K
	C2530	100 6.3V Electrolytic	VCEAPF0JW107M
	C2531	56p 50V Ceramic	VCCCCY1HH560J
	C2532	56p 50V Ceramic	VCCCCY1HH560J
	C2533	56p 50V Ceramic	VCCCCY1HH560J
	C2534	5.0p 50V Ceramic	VCCCCY1HH5R0C
	C2535	5.0p 50V Ceramic	VCCCCY1HH5R0C
	C2536	470 6.3V Electrolytic	VCEAPW0JN477M
	C2537	1 50V Ceramic	RC-KZ1025CEZZ
	C2538	1.0 16V Ceramic	VCKYTV1CB105K
	C2539	1.0 16V Ceramic	VCKYTV1CB105K
	C2540	0.01 50V Ceramic	VCKYCY1HB103K
	C2541	10 16V Electrolytic	VCEAPF1CN106M
	C2542	560p 50V Ceramic	VCKYCY1HB561K
	C2543	1500p 50V Ceramic	VCKYCY1HB152K

RESISTORS

	R1103	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1104	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1105	4.7 1/4W Metal Oxide	VRS-TW2ED4R7J
	R1106	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1108	1.0k 1/16W Metal Oxide	VRS-CA1JF102J
	R1109	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1110	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1111	1.0k 1/16W Metal Oxide	VRS-CA1JF102J
	R1114	68 1/2W Metal Oxide	VRS-TX2HF680J
	R1115	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1116	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1117	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1118	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1122	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1123	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1124	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1125	220 1/16W Metal Oxide	VRS-TV1JD221J
	R1126	220 1/16W Metal Oxide	VRS-TV1JD221J
	R1127	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1128	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1129	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1130	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1131	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1132	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1133	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R1134	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1135	4.7 1/4W Metal Oxide	VRS-TW2ED4R7J
	R1136	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1138	1.0k 1/16W Metal Oxide	VRS-CA1JF102J
	R1139	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1140	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1141	1.0k 1/16W Metal Oxide	VRS-CA1JF102J
	R1143	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1144	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1145	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1146	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1147	220 1/4W Metal Oxide	VRS-TW2ED221J
	R1148	68 1/2W Metal Oxide	VRS-TX2HF680J
	R1149	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1150	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1152	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1153	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1154	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1155	220 1/16W Metal Oxide	VRS-TV1JD221J
	R1156	220 1/16W Metal Oxide	VRS-TV1JD221J
	R1157	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1158	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1159	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1160	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1161	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1162	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1163	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1164	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1165	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1166	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1167	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1168	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1171	4.7 1/4W Metal Oxide	VRS-TW2ED4R7J
	R1172	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1173	1.0k 1/8W Metal Oxide	VRS-TQ2BD102J
	R1174	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1176	1.0k 1/16W Metal Oxide	VRS-CA1JF102J
	R1178	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1179	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1180	1.0k 1/16W Metal Oxide	VRS-CA1JF102J
	R1182	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1183	220 1/4W Metal Oxide	VRS-TW2ED221J
	R1184	68 1/2W Metal Oxide	VRS-TX2HF680J
	R1185	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1186	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1187	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1188	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1189	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R1191	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R1192	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1193	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1194	75 1/4W Metal Oxide	VRS-TW2ED750J
	R1195	220 1/16W Metal Oxide	VRS-TV1JD221J
	R1196	220 1/16W Metal Oxide	VRS-TV1JD221J
	R1197	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1198	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1199	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1200	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1201	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1202	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1203	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1204	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1205	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1206	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1207	1.0k 1/16W Metal Oxide	VRS-CY1JF102J

Mark	No.	Description	Part No.
	R1208	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1209	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R1210	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1211	100k 1/16W Metal Oxide	VRS-TV1JD104J
	R1212	68 1/2W Metal Oxide	VRS-TX2HF680J
	R1213	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R1214	560 1/2W Metal Oxide	VRS-TX2HF561J
	R1215	220 1/4W Metal Oxide	VRS-TW2ED221J
	R1216	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1217	270 1/16W Metal Oxide	VRS-CY1JF271J
	R1218	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1219	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1220	75 1/8W Metal Oxide	VRS-TQ2BD750J
	R1222	270 1/16W Metal Oxide	VRS-CY1JF271J
	R1223	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1224	560k 1/16W Metal Oxide	VRS-CY1JF564J
	R1225	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1226	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1227	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1228	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1229	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1230	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1231	68 1/2W Metal Oxide	VRS-TX2HF680J
	R1232	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1233	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R1234	68 1/2W Metal Oxide	VRS-TX2HF680J
	R1235	220k 1/16W Metal Oxide	VRS-CY1JF224J
	R1236	220k 1/16W Metal Oxide	VRS-CY1JF224J
	R1237	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1238	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R1239	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R1240	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1241	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1242	1.5k 1/16W Metal Oxide	VRS-CY1JF152J
	R1243	680 1/16W Metal Oxide	VRS-CY1JF681J
	R1244	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1245	180 1/16W Metal Oxide	VRS-CY1JF181J
	R1246	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1247	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1248	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R1249	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1250	1.5k 1/16W Metal Oxide	VRS-CY1JF152J
	R1251	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R1252	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1253	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R1254	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1256	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1257	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1258	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1259	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1260	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1261	1.2k 1/16W Metal Oxide	VRS-CY1JF122J
	R1262	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1263	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1264	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R1265	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R1266	470 1/2W Metal Oxide	VRS-TX2HF471J
	R1267	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1268	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1269	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1270	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1272	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1273	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1274	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1275	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1277	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1278	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1281	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1282	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1283	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1284	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1285	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1286	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1287	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1288	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1289	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1290	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1291	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1292	16k 1/16W Metal Oxide	VRS-CY1JF163J
	R1293	1.5k 1/16W Metal Oxide	VRS-CY1JF152J
	R1294	560 1/16W Metal Oxide	VRS-CY1JF561J
	R1295	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R1296	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1297	12k 1/16W Metal Oxide	VRS-CY1JF123J
	R1298	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1302	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1303	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1304	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1309	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1310	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1311	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1312	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1314	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1315	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1316	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1317	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1319	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1320	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1321	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1322	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1323	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1324	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1325	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1326	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1327	6.8k 1/16W Metal Oxide	VRS-CY1JF682J
	R1328	220 1/4W Metal Oxide	VRS-TW2ED221J
	R1329	220 1/4W Metal Oxide	VRS-TW2ED221J
	R1330	1.0k 1/16W Metal Oxide	VRS-TV1JD102J
	R1331	100 1/16W Metal Oxide	VRS-CA1JF101J
	R1334	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1335	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1336	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1337	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1338	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1339	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1340	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1341	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1342	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1343	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1344	0 1/16W Metal Oxide	VRS-CY1JF000J

Mark	No.	Description	Part No.
	R1345	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1346	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1347	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R1348	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1405	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1406	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1407	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1411	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1412	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1413	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1418	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1421	100 1/16W Metal Oxide	VRS-CA1JF101J
	R1422	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1423	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1424	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1425	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1429	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1430	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1431	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1432	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1433	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1434	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1435	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1436	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1437	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1438	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1439	22 1/16W Metal Oxide	VRS-CY1JF220J
	R1443	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1444	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1445	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1446	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1455	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1456	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1457	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1458	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1459	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1460	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1461	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1462	10 1/16W Metal Oxide	VRS-CY1JF100J
	R1463	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1464	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1465	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1602	2.0k 1/16W Metal Oxide	VRS-CY1JF202J
	R1603	2.0k 1/16W Metal Oxide	VRS-CY1JF202J
	R1604	27k 1/16W Metal Oxide	VRS-CY1JF273J
	R1605	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R1607	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1609	680 1/16W Metal Oxide	VRS-CY1JF681J
	R1611	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1613	1.3k 1/16W Metal Oxide	VRS-CY1JF132J
	R1616	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1617	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R1618	00 1/16W Metal Oxide	VRS-CY1JF000J
	R1619	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1620	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1621	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1622	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1623	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R1624	1.5k 1/16W Metal Oxide	VRS-CY1JF152F
	R1625	68k 1/16W Metal Oxide	VRS-CY1JF683F
	R1626	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1627	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R1628	680 1/16W Metal Oxide	VRS-CY1JF681F
	R1629	680 1/16W Metal Oxide	VRS-CY1JF681F
	R1630	1.0k 1/16W Metal Oxide	VRS-CY1JF102F
	R1634	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1635	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1636	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1640	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1641	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1642	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1643	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1645	10k 1/16W Metal Oxide	VRS-CY1JF103F
	R1648	47k 1/16W Metal Oxide	VRS-CY1JF473F
	R1649	33k 1/16W Metal Oxide	VRS-CY1JF333F
	R1650	47k 1/16W Metal Oxide	VRS-CY1JF473F
	R1651	10k 1/16W Metal Oxide	VRS-CY1JF103F
	R1652	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1653	47k 1/16W Metal Oxide	VRS-CY1JF473F
	R1654	10k 1/16W Metal Oxide	VRS-CY1JF103F
	R1655	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1656	220 1/16W Metal Oxide	VRS-CY1JF221J
	R1661	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R1662	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1663	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1664	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1665	0 1/16W Metal Oxide	VRS-CY1JF000J
	R1666	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1667	33k 1/16W Metal Oxide	VRS-CY1JF333J
	R1668	3.3k 1/16W Metal Oxide	VRS-CB1JF332J
	R1669	3.3k 1/16W Metal Oxide	VRS-CB1JF332J
	R1670	470 1/16W Metal Oxide	VRS-CY1JF471J
	R1671	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1672	470 1/16W Metal Oxide	VRS-CY1JF471J
	R1673	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1674	100 1/16W Metal Oxide	VRS-CY1JF101J
	R1675	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R1990	68k 1/16W Metal Oxide	VRS-CY1JF683J
	R2501	100 1/16W Metal Oxide	VRS-CA1JF101J
	R2502	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R2503	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R2505	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2506	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R2507	8.2k 1/16W Metal Oxide	VRS-CY1JF822F
	R2508	8.2k 1/16W Metal Oxide	VRS-CY1JF822F
	R2509	8.2k 1/16W Metal Oxide	VRS-CY1JF822F
	R2510	3.3k 1/16W Metal Oxide	VRS-CY1JF332J
	R2511	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R2512	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R2513	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2514	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2515	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2516	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2517	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2518	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2519	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2520	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2521	0 1/16W Metal Oxide	VRS-CA1JF000J
	R2522	0 1/16W Metal Oxide	VRS-CA1JF000J
	R2523	1.0M 1/16W Metal Oxide	VRS-CY1JF105J

Mark	No.	Description	Part No.
	R2524	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R2525	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R2526	5.6k 1/16W Metal Oxide	VRS-CY1JF562J
	R2527	0 1/16W Metal Oxide	VRS-CY1JF000J
	R2528	0 1/16W Metal Oxide	VRS-CA1JF000J
	R2529	10 1/16W Metal Oxide	VRS-CY1JF100J
	R2530	10 1/16W Metal Oxide	VRS-CY1JF100J
	R2531	8.2k 1/16W Metal Oxide	VRS-CY1JF822F
	R2532	1.0k 1/8W Metal Oxide	VRS-TQ2BD102J
	R2533	1.0k 1/8W Metal Oxide	VRS-TQ2BD102J
	R2542	0 1/16W Metal Oxide	VRS-CY1JF000J
	R2547	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R2548	10k 1/16W Metal Oxide	VRS-CY1JF103J

SWITCH

	SW1601	Switch	QSW-C0049CEZZ

MISCELLANEOUS PARTS

	FB1101	Ferrite Bead	RBLN-0051TAZZ
	FB1102	Ferrite Bead	RBLN-0051TAZZ
	FB1103	Ferrite Bead	RBLN-0051TAZZ
	FB1104	Ferrite Bead	RBLN-0062TAZZ
	FB1105	Ferrite Bead	RBLN-0077TAZZ
	FB1106	Ferrite Bead	RBLN-0051TAZZ
	FB1107	Ferrite Bead	RBLN-0051TAZZ
	FB1108	Ferrite Bead	RBLN-0077TAZZ
	FB1109	Ferrite Bead	RBLN-0051TAZZ
	FB1110	Ferrite Bead	RBLN-0062TAZZ
	FB1111	Ferrite Bead	RBLN-0062TAZZ
	FB1112	Ferrite Bead	RBLN-0051TAZZ
	FB1113	Ferrite Bead	RBLN-0077TAZZ
	FB1114	Ferrite Bead	RBLN-0051TAZZ
	FB1115	Ferrite Bead	RBLN-0062TAZZ
	FB1116	Ferrite Bead	RBLN-0062TAZZ
	FB1117	Ferrite Bead	RBLN-0062TAZZ
	FB1118	Ferrite Bead	RBLN-0051TAZZ
	FB1119	Ferrite Bead	RBLN-0006TAZZ
	FB1120	Ferrite Bead	RBLN-0006TAZZ
	FB1123	Ferrite Bead	RBLN-0062TAZZ
	FB1124	Ferrite Bead	RBLN-0062TAZZ
	FB1130	Ferrite Bead	RBLN-0062TAZZ
	FB1131	Ferrite Bead	RBLN-0062TAZZ
	FB1132	Ferrite Bead	RBLN-0062TAZZ
	FB1401	Ferrite Bead	RBLN-0061TAZZ
	FB1402	Ferrite Bead	RBLN-0061TAZZ
	FB1601	Ferrite Bead	RBLN-0006TAZZ
	FB1602	Ferrite Bead	RBLN-0006TAZZ
	FB1604	Ferrite Bead	RBLN-0006TAZZ
	FB1605	Ferrite Bead	RBLN-0006TAZZ
	FB1608	Ferrite Bead	RBLN-0006TAZZ
	FB1609	Ferrite Bead	RBLN-0006TAZZ
	FB1610	Ferrite Bead	RBLN-0063TAZZ
	FB1611	Ferrite Bead	RBLN-0063TAZZ
	FB1612	Ferrite Bead	RBLN-0063TAZZ
	FB1613	Ferrite Bead	RBLN-0063TAZZ
	FB1616	Ferrite Bead	RBLN-0063TAZZ
	FB1617	Ferrite Bead	RBLN-0063TAZZ
	FB1619	Ferrite Bead	RBLN-0063TAZZ
	FB2501	Ferrite Bead	RBLN-0051TAZZ
	FB2502	Ferrite Bead	RBLN-0060TAZZ
	FB2503	Ferrite Bead	RBLN-0051TAZZ
	FB2504	Ferrite Bead	RBLN-0051TAZZ
	FB2505	Ferrite Bead	RBLN-0051TAZZ

Mark	No.	Description	Part No.
	FB2506	Ferrite Bead	RBLN-0051TAZZ
	FB2507	Ferrite Bead	RBLN-0051TAZZ
	J1101	Terminal, INPUT3 (Y.Pb.Pr), MONITOR OUTPUT (VIDEO/AUDIO)	QTANJ0657CEZZ
	J1102	Socket MONITOR OUTPUT (S-VIDEO)	QSOCD0430CEZZ
	P1301	Plug, 18-pin	QPLGN0428FJZZ
	P2501	Plug, 12-pin	QPLGN0062CEZZ
	P2502	Plug, 4-pin	QPLGN0478GEZZ
	P2503	Plug, 5-pin	QPLGN0578GEZZ
	SC1101	Socket, INPUT 1 (SCART)	QSOCZ2160CEZZ
	SC1102	Socket, INPUT 2-3 (SCART)	QSOCZ2161CEZZ
	SC1401	Socket, 30-pin	QSOCN0550FJZZ
	SC1402	Socket, 30-pin	QSOCN0490FJZZ
		Connecting Cord	QCNW-6073CEZZ
		Connecting Cord	QCNW-6079CEZZ

D SR CONNECT UNIT

TRANSISTORS

	Q6001	2SC3928AR	VS2SC3928AR-1
	Q6002	2SA1530AR	VS2SA1530AR-1
	Q6003	2SA1530AR	VS2SA1530AR-1
	Q6004	2SC3928AR	VS2SC3928AR-1
	Q6005	DTC314TK	VSDTC314TK/-1
	Q6006	DTC314TK	VSDTC314TK/-1
	Q6007	2SA1530AR	VS2SA1530AR-1
	Q6008	2SC3928AR	VS2SC3928AR-1

DIODES

	D6000	Diode	VHDMA157A//-1
	D6001	Diode	VHDMA157A//-1
	D6002	Diode	VHDMA157A//-1
	D6003	Diode	VHDMA157A//-1
	D6004	Diode	VHDMA157A//-1
	D6006	Diode	VHDMA157A//-1
	D6007	Diode	VHDMA157A//-1
	D6008	Diode	VHD1SS355//-1
	D6009	Diode	VHD1SS355//-1
	D6010	Diode	VHD1SS355//-1
	D6011	Zener Diode	RH-EX1264CEZZ
	D6012	Zener Diode	RH-EX1264CEZZ
	D6013	Diode	VHDMA157A//-1
	D6014	Diode	VHDMA157A//-1

CAPACITORS

	C6000	10 16V Electrolytic	VCEAPF1CW106M
	C6001	10 16V Electrolytic	VCEAPF1CW106M
	C6002	0.1 25V Ceramic	VCKYCY1EF104Z
	C6003	1.0 10V Ceramic	VCKYCY1AF105Z
	C6004	1.0 10V Ceramic	VCKYCY1AF105Z

RESISTORS

	R6000	56 1/16W Metal Oxide	VRS-CY1JF560J
	R6001	56 1/16W Metal Oxide	VRS-CY1JF560J
	R6002	56 1/16W Metal Oxide	VRS-CY1JF560J
	R6003	47k 1/16W Metal Oxide	VRS-CY1JF473J
	R6004	56 1/16W Metal Oxide	VRS-CY1JF560J
	R6005	56 1/16W Metal Oxide	VRS-CY1JF560J
	R6006	1k 1/16W Metal Oxide	VRS-CY1JF102J
	R6007	56 1/16W Metal Oxide	VRS-CY1JF560J
	R6011	470 1/16W Metal Oxide	VRS-CY1JF471J
	R6012	470 1/16W Metal Oxide	VRS-CY1JF471J

Mark	No.	Description	Part No.
	R6013	0 1/8W Metal Oxide	VRS-TQ2BD000J
	R6014	0 1/8W Metal Oxide	VRS-TQ2BD000J
	R6015	220 1/16W Metal Oxide	VRS-CY1JF221J
	R6016	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R6017	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R6018	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R6019	2.2k 1/16W Metal Oxide	VRS-CY1JF222J
	R6020	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R6021	4.7k 1/16W Metal Oxide	VRS-CY1JF472J
	R6022	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R6023	220k 1/16W Metal Oxide	VRS-CY1JF224J
	R6024	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R6025	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R6030	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R6031	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R6032	1.0k 1/16W Metal Oxide	VRS-CY1JF102J
	R6033	1.0k 1/16W Metal Oxide	VRS-CY1JF102J

MISCELLANEOUS PARTS

	FB6000	Frrite Bead	RBLN-0060TAZZ
	FB6001	Frrite Bead	RBLN-0060TAZZ
	FB6002	Frrite Bead	RBLN-0060TAZZ
	J6001	Jack, CONTROL-IN	QJAKJ0110CEZZ
	J6002	Jack, CONTROL-OUT	QJAKJ0110CEZZ
	P6000	Plug, 14-pin	QPLGN1474TAZZ
	P6001	Plug, 4-pin	QPLGN0480GEZZ
	SC6000	Socket	QSOCZ2015CEZZ
		SYSTEM CABLE (GRAY)	
		Connecting Cord	QCNW-A280WJZZ

E LED UNIT

TRANSISTORS

	Q3001	2SC3928AR	VS2SC3928AR-1
	Q3002	2SC3928AR	VS2SC3928AR-1
	Q3003	DTC144EE	VSDTC144EE/-1
	Q3004	DTC144EE	VSDTC144EE/-1
	Q3005	DTC144EE	VSDTC144EE/-1

DIODE

	D3001	Photodiode	RH-PX0421CEZZ

RESISTORS

	R3001	470 1/16W Metal Oxide	VRS-CY1JF471J
	R3002	22k 1/16W Metal Oxide	VRS-CY1JF223J
	R3003	100k 1/16W Metal Oxide	VRS-CY1JF104J
	R3004	1.8k 1/16W Metal Oxide	VRS-CY1JF182J
	R3005	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3006	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3007	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3008	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3010	10k 1/16W Metal Oxide	VRS-CY1JF103J
	R3011	0 1/16W Metal Oxide	VRS-CY1JF000J
	R3012	0 1/16W Metal Oxide	VRS-CY1JF000J

MISCELLANEOUS PARTS

	P3001	Plug, 5-pin	QPLGN0564TAZZ
		Connecting Cord	QCNW-6076CEZZ

Mark	No.	Description	Part No.

F PC I/F UNIT

INTEGRATED CIRCUITS

	IC1	HD6417709	RH-iX3270CEZZ
	IC2	PST600IM	9DK001-15061
	IC3	AT24C128N-10SC-1.8	9DK001-11020
	IC4	CXA3506R	9DK001-15079
	IC7	PQ05TZ11	9DK001-15038
	IC8	PQ20VZ11	9DK001-15071
	IC19	PST623XW	9DK001-15060
	IC25	CViC	RH-iX3434CZZZQ
	IC27	LH28F320S3NS-L11	RH-iX3430CEZZ
	IC28	MSM51V181865F-60TS-K	9DK001-11027
	IC53	74LVX86MTC	9DK001-12079
	IC310	TLC5733A	9DK001-15082
	IC316	TL431CPS	9DK001-15053
	IC319	HY57V653220BTC-7	9DK001-11024
	IC320	HY57V653220BTC-7	9DK001-11024
	IC321	HY57V653220BTC-7	9DK001-11024
	IC322	HY57V653220BTC-7	9DK001-11024
	IC327	NJM4560M	9DK001-15084
	IC328	TLC2933IPW	9DK001-15054
	IC400	74LVX86MTC	9DK001-12079
	IC402	74LVX125MTC	9DK001-12105
	IC404	74LVX125MTC	9DK001-12105
	IC405	uPD4721G	9DK001-15107
	IC408	HD74HCT244T	9DK001-12085
		or 74VHCT244AMTC	9DK001-12086
	IC410	HD74HCT244T	9DK001-12085
		or 74VHCT244AMTC	9DK001-12086
	IC411	74LCX157MTC	9DK001-12103
	IC412	PQ1R33	9DK001-15093
	IC413	SiL168	9DK001-15106
	IC414	M24C32-WMN6	9DK001-11026
	IC415	BA09FP	9DK001-15109
	IC419	TC7WH123FK	9DK001-12102
	IC420	TC7WH126FK	9DK001-12096
	IC422	HD74HCT125T	9DK001-12070
	IC423	TC7WH123FK	9DK001-12102
	IC424	NC7S08P5	9DK001-12106

TRANSISTORS

	Q12	IMB3A	9DK001-20025
	Q13	2SC2412KQ	9DK001-20011
	Q15	2SA1037AKQ	9DK001-20012
	Q102	NDC7002N	9DK001-20036
	Q103	2SC2412KQ	9DK001-20011
	Q104	2SC2412KQ	9DK001-20011
	Q105	2SC2412KQ	9DK001-20011
	Q107	2SC2412KQ	9DK001-20011
	Q108	2SC2412KQ	9DK001-20011
	Q109	2SC2412KQ	9DK001-20011
	Q110	2SC2412KQ	9DK001-20011
	Q111	2SA1037AKQ	9DK001-20012
	Q112	2SA1037AKQ	9DK001-20012
	Q113	2SA1037AKQ	9DK001-20012
	Q114	2SC2412KQ	9DK001-20011
	Q117	2SC2412KQ	9DK001-20011
	Q118	2SC2412KQ	9DK001-20011
	Q119	2SC2412KQ	9DK001-20011
	Q120	NDC7002N	9DK001-20036

PDP-R03E

Mark	No.	Description	Part No.
DIODES			
	D9	Diode 1SS187	9DK001-30018
	D20	Diode 1SS187	9DK001-30018
	D50	Diode 1SS193	9DK001-30001
	D51	Diode 1SS193	9DK001-30001
	D52	Diode 1SS193	9DK001-30001
	D53	Diode 1SS193	9DK001-30001
	D54	Diode MA3120WA	9DK001-30022
	D55	Diode MA3120WA	9DK001-30022
	D56	Diode MA3120WA	9DK001-30022
	D57	Diode MA3120WA	9DK001-30022
	D70	Diode 1SS355	9DK001-30020
	D71	Diode 1SS355	9DK001-30020
	D72	Diode 1SS355	9DK001-30020
	D73	Diode 1SS400	9DK001-30021
	D75	Diode 1SS187	9DK001-30018
	D76	Diode 1SS187	9DK001-30018
	D77	Diode 1SS400	9DK001-30021
PACKAGED CIRCUITS			
	X1	Crystal, 6MHz	9DK001-80012
	X3	Crystal FXO-31FL (1.8432MHz)	9DK001-80011
	X4	Crystal FXO-31FL (25MHz)	9DK001-80018
	X5	Crystal DS07515V (79.794MHz)	9DK001-80029
	X6	Crystal, 25.175MHz	9DK001-80031
FILTERS AND COILS			
	FL5	Fiter BMK351	9DK001-81020
	FL6	Fiter BMK351	9DK001-81020
	FL10	Fiter BMK351	9DK001-81020
	FL20	Fiter BMK351	9DK001-81020
	FL21	Fiter BMK351	9DK001-81020
	FL22	Fiter BMK351	9DK001-81020
	FL23	Fiter BMK351	9DK001-81020
	FL29	Fiter BMK351	9DK001-81020
	FL30	Fiter BMK351	9DK001-81020
	FL31	Fiter BMK351	9DK001-81020
	FL32	Fiter BMK351	9DK001-81020
	FL94	Fiter BMK351	9DK001-81020
	FL95	Fiter BMK351	9DK001-81020
	FL96	Fiter BMK351	9DK001-81020
	FL97	Fiter BMK351	9DK001-81020
	FL200	Fiter BMK351	9DK001-81020
	FL201	Fiter BMK351	9DK001-81020
	FL204	Fiter BMK351	9DK001-81020
	L1	Inductor NLC322522T-3R3M	9DK001-81052
	L2	Inductor NLC322522T-3R3M	9DK001-81052
	L3	Inductor NLC322522T-3R3M	9DK001-81052
	L4	Inductor NLC322522T-3R3M	9DK001-81052
	L22	Inductor NLC322522T-3R3M	9DK001-81052
	L100	Inductor NLC322522T-3R3M	9DK001-81052
	L101	Inductor NLC322522T-3R3M	9DK001-81052
CAPACITORS			
	C1	0.1 25V Ceramic	9DK001-42094
	C2	0.1 25V Ceramic	9DK001-42094
	C6	0.01 50V Ceramic	9DK001-42096
	C7	0.01 50V Ceramic	9DK001-42096
	C8	0.01 50V Ceramic	9DK001-42096
	C9	0.01 50V Ceramic	9DK001-42096
	C10	10 10V Ceramic or 10 25V Ceramic	9DK001-42131 9DK001-42118
	C12	15p 50V Ceramic	9DK001-42103
	C13	15p 50V Ceramic	9DK001-42103
	C14	0.01 50V Ceramic	9DK001-42096
	C15	10 10V Ceramic or 10 25V Ceramic	9DK001-42131 9DK001-42118
	C17	0.01 50V Ceramic	9DK001-42096
	C18	0.01 50V Ceramic	9DK001-42096
	C19	470p 50V Ceramic	9DK001-42104
	C20	470p 50V Ceramic	9DK001-42104
	C21	0.01 50V Ceramic	9DK001-42096
	C22	0.01 50V Ceramic	9DK001-42096
	C23	0.01 50V Ceramic	9DK001-42096
	C24	10 16V Electrolytic	9DK001-40077
	C25	0.01 50V Ceramic	9DK001-42096
	C26	0.01 50V Ceramic	9DK001-42096
	C27	0.01 50V Ceramic	9DK001-42096
	C28	0.01 50V Ceramic	9DK001-42096
	C29	0.01 50V Ceramic	9DK001-42096
	C30	0.047 50V Ceramic	9DK001-42105
	C31	0.1 25V Ceramic	9DK001-42094
	C32	0.1 25V Ceramic	9DK001-42094
	C33	0.1 25V Ceramic	9DK001-42094
	C34	0.01 50V Ceramic	9DK001-42096
	C35	0.01 50V Ceramic	9DK001-42096
	C36	0.01 50V Ceramic	9DK001-42096
	C37	0.01 50V Ceramic	9DK001-42096
	C38	0.01 50V Ceramic	9DK001-42096
	C42	0.01 50V Ceramic	9DK001-42096
	C43	0.01 50V Ceramic	9DK001-42096
	C51	0.01 50V Ceramic	9DK001-42096
	C52	0.01 50V Ceramic	9DK001-42096
	C53	0.01 50V Ceramic	9DK001-42096
	C62	0.1 25V Ceramic	9DK001-42094
	C70	0.1 25V Ceramic	9DK001-42094
	C78	0.1 25V Ceramic	9DK001-42094
	C79	47 6.3V Electrolytic	9DK001-40089
	C80	47 16V Electrolytic	9DK001-40079
	C81	0.01 50V Ceramic	9DK001-42096
	C82	0.01 50V Ceramic	9DK001-42096
	C83	0.01 50V Ceramic	9DK001-42096
	C84	47 6.3V Electrolytic	9DK001-40089
	C96	47 6.3V Electrolytic	9DK001-40089
	C110	0.1 25V Ceramic	9DK001-42094
	C111	0.1 25V Ceramic	9DK001-42094
	C112	0.1 25V Ceramic	9DK001-42094
	C113	1 10V Ceramic	9DK001-42111
	C114	0.1 25V Ceramic	9DK001-42094
	C115	0.1 25V Ceramic	9DK001-42094
	C116	0.1 25V Ceramic	9DK001-42094
	C117	0.1 25V Ceramic	9DK001-42094
	C118	0.1 25V Ceramic	9DK001-42094
	C119	0.1 25V Ceramic	9DK001-42094
	C120	0.1 25V Ceramic	9DK001-42094
	C121	0.1 25V Ceramic	9DK001-42094
	C122	1 10V Ceramic	9DK001-42111
	C123	0.1 25V Ceramic	9DK001-42094
	C124	0.1 25V Ceramic	9DK001-42094

Mark	No.	Description	Part No.
	C125	0.1 25V Ceramic	9DK001-42094
	C126	0.1 25V Ceramic	9DK001-42094
	C127	100p 50V Ceramic	9DK001-42099
	C128	0.33 16V Film	9DK001-42149
	C130	100p 50V Ceramic	9DK001-42099
	C131	0.1 25V Ceramic	9DK001-42094
	C132	0.1 25V Ceramic	9DK001-42094
	C133	0.1 25V Ceramic	9DK001-42094
	C134	0.1 25V Ceramic	9DK001-42094
	C135	0.1 25V Ceramic	9DK001-42094
	C136	0.1 25V Ceramic	9DK001-42094
	C137	0.1 25V Ceramic	9DK001-42094
	C138	0.1 25V Ceramic	9DK001-42094
	C143	0.01 50V Ceramic	9DK001-42096
	C144	47 6.3V Electrolytic	9DK001-40089
	C145	0.01 50V Ceramic	9DK001-42096
	C146	47 6.3V Electrolytic	9DK001-40089
	C147	0.01 50V Ceramic	9DK001-42096
	C148	47 6.3V Electrolytic	9DK001-40089
	C149	0.01 50V Ceramic	9DK001-42096
	C350	0.01 50V Ceramic	9DK001-42096
	C361	47 6.3V Electrolytic	9DK001-40089
	C366	100 6.3V Electrolytic	9DK001-40080
	C367	100 4V Electrolytic	9DK001-40091
	C531	47 6.3V Electrolytic	9DK001-40089
	C532	0.01 50V Ceramic	9DK001-42096
	C537	10 16V Electrolytic	9DK001-40077
	C538	0.1 25V Ceramic	9DK001-42094
	C542	10 16V Electrolytic	9DK001-40077
	C543	0.1 25V Ceramic	9DK001-42094
	C544	2200p 50V Ceramic	9DK001-42102
	C545	2200p 50V Ceramic	9DK001-42102
	C546	2200p 50V Ceramic	9DK001-42102
	C550	10 16V Electrolytic	9DK001-40077
	C551	0.1 25V Ceramic	9DK001-42094
	C552	0.1 25V Ceramic	9DK001-42094
	C553	0.1 25V Ceramic	9DK001-42094
	C554	10 16V Electrolytic	9DK001-40077
	C555	0.1 25V Ceramic	9DK001-42094
	C556	0.1 25V Ceramic	9DK001-42094
	C557	0.1 25V Ceramic	9DK001-42094
	C558	0.1 25V Ceramic	9DK001-42094
	C559	10 10V Ceramic	9DK001-42131
		or 10 25V Ceramic	9DK001-42118
	C562	0.1 25V Ceramic	9DK001-42094
	C563	0.1 25V Ceramic	9DK001-42094
	C564	33 6.3V OS	9DK001-40106
	C565	0.1 25V Ceramic	9DK001-42094
	C566	330p 50V Ceramic	9DK001-42123
	C573	47 6.3V Electrolytic	9DK001-40089
	C574	47 6.3V Electrolytic	9DK001-40089
	C575	0.01 50V Ceramic	9DK001-42096
	C576	0.01 50V Ceramic	9DK001-42096
	C577	0.01 50V Ceramic	9DK001-42096
	C578	0.01 50V Ceramic	9DK001-42096
	C579	0.01 50V Ceramic	9DK001-42096
	C580	0.01 50V Ceramic	9DK001-42096
	C581	0.01 50V Ceramic	9DK001-42096
	C582	0.01 50V Ceramic	9DK001-42096
	C583	0.01 50V Ceramic	9DK001-42096
	C584	0.01 50V Ceramic	9DK001-42096
	C585	0.01 50V Ceramic	9DK001-42096
	C586	0.01 50V Ceramic	9DK001-42096
	C587	47 6.3V Electrolytic	9DK001-40089
	C588	47 6.3V Electrolytic	9DK001-40089
	C589	0.01 50V Ceramic	9DK001-42096
	C590	0.01 50V Ceramic	9DK001-42096
	C591	0.01 50V Ceramic	9DK001-42096
	C592	0.01 50V Ceramic	9DK001-42096
	C593	0.01 50V Ceramic	9DK001-42096
	C594	0.01 50V Ceramic	9DK001-42096
	C595	0.01 50V Ceramic	9DK001-42096
	C596	0.01 50V Ceramic	9DK001-42096
	C597	0.01 50V Ceramic	9DK001-42096
	C598	0.01 50V Ceramic	9DK001-42096
	C599	0.01 50V Ceramic	9DK001-42096
	C600	0.01 50V Ceramic	9DK001-42096
	C697	0.01 50V Ceramic	9DK001-42096
	C698	0.47 16V Ceramic	9DK001-42152
	C700	0.47 16V Ceramic	9DK001-42152
	C702	0.47 16V Ceramic	9DK001-42152
	C704	1 10V Ceramic	9DK001-42111
	C705	0.1 16V Film	9DK001-42145
	C706	0.01 50V Ceramic	9DK001-42096
	C715	0.01 50V Ceramic	9DK001-42096
	C716	0.01 50V Ceramic	9DK001-42096
	C717	0.01 50V Ceramic	9DK001-42096
	C741	47 6.3V Electrolytic	9DK001-40089
	C757	4.7 10V Ceramic	9DK001-42113
	C759	0.01 50V Ceramic	9DK001-42096
	C762	0.1 25V Ceramic	9DK001-42094
	C763	0.1 25V Ceramic	9DK001-42094
	C764	0.1 25V Ceramic	9DK001-42094
	C766	0.1 25V Ceramic	9DK001-42094
	C767	6.8 10V OS	9DK001-40104
	C768	1 10V Ceramic	9DK001-42111
	C769	4.7 10V Ceramic	9DK001-42113
	C776	6.8 10V OS	9DK001-40104
	C777	0.1 25V Ceramic	9DK001-42094
	C800	0.1 25V Ceramic	9DK001-42094
	C802	0.1 25V Ceramic	9DK001-42094
	C803	0.1 25V Ceramic	9DK001-42094
	C804	2.2 50V Electrolytic	9DK001-40103
	C805	2.2 50V Electrolytic	9DK001-40103
	C806	2.2 50V Electrolytic	9DK001-40103
	C807	2.2 50V Electrolytic	9DK001-40103
	C808	2.2 50V Electrolytic	9DK001-40103
	C813	0.1 25V Ceramic	9DK001-42094
	C814	0.1 25V Ceramic	9DK001-42094
	C815	0.1 25V Ceramic	9DK001-42094
	C816	0.1 25V Ceramic	9DK001-42094
	C817	0.1 25V Ceramic	9DK001-42094
	C818	0.1 25V Ceramic	9DK001-42094
	C819	0.1 25V Ceramic	9DK001-42094
	C820	0.1 25V Ceramic	9DK001-42094
	C821	0.1 25V Ceramic	9DK001-42094
	C822	0.1 25V Ceramic	9DK001-42094
	C823	0.1 25V Ceramic	9DK001-42094
	C824	0.1 25V Ceramic	9DK001-42094
	C825	0.1 25V Ceramic	9DK001-42094

Mark	No.	Description	Part No.
	C826	0.1 25V Ceramic	9DK001-42094
	C827	0.1 25V Ceramic	9DK001-42094
	C828	0.1 25V Ceramic	9DK001-42094
	C829	0.1 25V Ceramic	9DK001-42094
	C830	0.1 25V Ceramic	9DK001-42094
	C831	0.1 25V Ceramic	9DK001-42094
	C832	0.1 25V Ceramic	9DK001-42094
	C833	0.1 25V Ceramic	9DK001-42094
	C834	0.1 25V Ceramic	9DK001-42094
	C835	0.1 25V Ceramic	9DK001-42094
	C836	0.1 25V Ceramic	9DK001-42094
	C837	0.1 25V Ceramic	9DK001-42094
	C838	0.1 25V Ceramic	9DK001-42094
	C839	0.1 25V Ceramic	9DK001-42094
	C840	0.1 25V Ceramic	9DK001-42094
	C841	0.1 25V Ceramic	9DK001-42094
	C842	0.1 25V Ceramic	9DK001-42094
	C843	0.1 25V Ceramic	9DK001-42094
	C844	0.1 25V Ceramic	9DK001-42094
	C845	0.1 25V Ceramic	9DK001-42094
	C846	0.1 25V Ceramic	9DK001-42094
	C847	100 6.3V Electrolytic	9DK001-40080
	C848	0.1 25V Ceramic	9DK001-42094
	C849	100 6.3V Electrolytic	9DK001-40080
	C850	220 4V Electrolytic	9DK001-40092
	C851	100 6.3V Electrolytic	9DK001-40080
	C852	47 6.3V Electrolytic	9DK001-40089
	C853	0.01 50V Ceramic	9DK001-42096
	C854	47 16V Electrolytic	9DK001-40079
	C855	82p 50V Ceramic	9DK001-42133
	C856	0.1 25V Ceramic	9DK001-42094
	C857	10 16V Electrolytic	9DK001-40077
	C858	82p 50V Ceramic	9DK001-42133
	C859	0.1 25V Ceramic	9DK001-42094
	C860	10 16V Electrolytic	9DK001-40077
	C863	82p 50V Ceramic	9DK001-42133
	C864	82p 50V Ceramic	9DK001-42133
	C865	82p 50V Ceramic	9DK001-42133
	C867	10 16V Electrolytic	9DK001-40077
	C868	0.1 25V Ceramic	9DK001-42094
	C869	0.1 25V Ceramic	9DK001-42094
	C870	82p 50V Ceramic	9DK001-42133
	C872	0.1 25V Ceramic	9DK001-42094
	C874	82p 50V Ceramic	9DK001-42133
	C875	82p 50V Ceramic	9DK001-42133
	C876	0.1 25V Ceramic	9DK001-42094
	C878	0.1 25V Ceramic	9DK001-42094
	C879	82p 50V Ceramic	9DK001-42133
	C880	0.47 16V Ceramic	9DK001-42152
	C881	0.1 25V Ceramic	9DK001-42094
	C882	22 16V Electrolytic	9DK001-40078
	C883	0.1 25V Ceramic	9DK001-42094
	C884	0.1 25V Ceramic	9DK001-42094
	C885	0.1 25V Ceramic	9DK001-42094
	C886	0.47 16V Ceramic	9DK001-42152
	C887	120p 50V Ceramic	9DK001-42151
	C888	120p 50V Ceramic	9DK001-42151
	C889	120p 50V Ceramic	9DK001-42151
	C890	10 16V Electrolytic	9DK001-40077
	C891	10 16V Electrolytic	9DK001-40077

Mark	No.	Description	Part No.
	C894	0.1 25V Ceramic	9DK001-42094
	C895	0.1 25V Ceramic	9DK001-42094
	C896	0.1 25V Ceramic	9DK001-42094
	C897	0.1 25V Ceramic	9DK001-42094
	C898	100p 50V Ceramic	9DK001-42099
	C899	100p 50V Ceramic	9DK001-42099
	C900	100p 50V Ceramic	9DK001-42099
	C904	0.1 25V Ceramic	9DK001-42094
	C905	0.1 25V Ceramic	9DK001-42094
	C907	0.1 25V Ceramic	9DK001-42094
	C908	0.01 50V Ceramic	9DK001-42096
	C913	0.1 25V Ceramic	9DK001-42094
	C916	0.1 25V Ceramic	9DK001-42094
	C917	0.01 50V Ceramic	9DK001-42096
	C918	0.01 50V Ceramic	9DK001-42096

RESISTORS

	R10	10k 1/16W Resistor Array	9DK001-51030
	R11	10k 1/16W Resistor Array	9DK001-51030
	R16	1.69k 1.16W Chip1608	9DK001-50198
	R17	33k 1/16W Chip1608	9DK001-50210
	R18	2.15k 1/16W Chip1608	9DK001-50199
	R19	10k 1/16W Resistor Array	9DK001-51030
	R21	0 1/16W Chip1608	9DK001-50149
	R22	10k 1/16W Chip1608	9DK001-50185
	R27	27k 1/16W Chip1608	9DK001-50209
	R29	10k 1/16W Resistor Array	9DK001-51030
	R33	10k 1/16W Resistor Array	9DK001-51030
	R34	10k 1/16W Resistor Array	9DK001-51030
	R35	10k 1/16W Resistor Array	9DK001-51030
	R36	10k 1/16W Resistor Array	9DK001-51030
	R40	68 1/16W Chip1608	9DK001-50163
	R43	10k 1/16W Resistor Array	9DK001-51030
	R44	10k 1/16W Resistor Array	9DK001-51030
	R50	10k 1/16W Resistor Array	9DK001-51030
	R51	10k 1/16W Resistor Array	9DK001-51030
	R57	10k 1/16W Resistor Array	9DK001-51030
	R58	10k 1/16W Resistor Array	9DK001-51030
	R62	10 1/16W Resistor Array	9DK001-51029
	R65	10k 1/16W Resistor Array	9DK001-51030
	R75	0 1/16W Chip1608	9DK001-50149
	R80	270 1/10W Chip2125	9DK001-50103
	R83	0 1/16W Chip1608	9DK001-50149
	R88	270 1/10W Chip2125	9DK001-50103
	R91	0 1/16W Chip1608	9DK001-50149
	R96	270 1/10W Chip2125	9DK001-50103
	R121	47 1/4W Chip3216	9DK001-50065
	R122	47 1/4W Chip3216	9DK001-50065
	R123	1.6k 1/16W Chip1608	9DK001-50256
	R124	1.0k 1/16W Chip1608	9DK001-50237
	R128	10 1/16W Chip1608	9DK001-50150
	R132	3.3k 1/16W Chip1608	9DK001-50156
	R133	3k 1/16W Chip1608	9DK001-50155
	R138	0 1/16W Chip1608	9DK001-50149
	R140	0 1/16W Chip1608	9DK001-50149
	R289	4.7k 1/16W Chip1608	9DK001-50183
	R340	10k 1/16W Chip1608	9DK001-50185
	R650	10k 1/16W Chip1608	9DK001-50185
	R651	6.8k 1/16W Resistor Array	9DK001-51037
	R652	10k 1/16W Resistor Array	9DK001-51030
	R654	150 1/16W Chip1608	9DK001-50204
	R656	4.7k 1/16W Chip1608	9DK001-50183

Mark	No.	Description	Part No.
	R664	15k 1/16W Chip1608	9DK001-50259
	R665	15k 1/16W Chip1608	9DK001-50259
	R671	15k 1/16W Chip1608	9DK001-50259
	R677	470 1/16W Chip1608	9DK001-50173
	R678	1.2k 1/16W Chip1608	9DK001-50254
	R680	3k 1/16W Chip1608	9DK001-50155
	R681	3k 1/16W Chip1608	9DK001-50155
	R682	1.2k 1/16W Chip1608	9DK001-50254
	R687	470 1/16W Chip1608	9DK001-50173
	R688	15 1/16W Chip1608	9DK001-50201
	R689	470 1/16W Chip1608	9DK001-50173
	R690	1.8k 1/16W Chip1608	9DK001-50205
	R691	1.8k 1/16W Chip1608	9DK001-50205
	R692	22 1/16W Chip1608	9DK001-50159
	R693	22 1/16W Chip1608	9DK001-50159
	R694	22 1/16W Chip1608	9DK001-50159
	R695	22 1/16W Chip1608	9DK001-50159
	R696	10k 1/16W Chip1608	9DK001-50185
	R697	10k 1/16W Chip1608	9DK001-50185
	R698	10k 1/16W Chip1608	9DK001-50185
	R699	10k 1/16W Chip1608	9DK001-50185
	R702	10k 1/16W Resistor Array	9DK001-51030
	R708	10k 1/16W Resistor Array	9DK001-51030
	R730	680 1/16W Chip1608	9DK001-50175
	R731	620 1/16W Chip1608	9DK001-50271
	R733	10k 1/16W Chip1608	9DK001-50185
	R734	10k 1/16W Chip1608	9DK001-50185
	R735	10k 1/16W Chip1608	9DK001-50185
	R736	10k 1/16W Chip1608	9DK001-50185
	R737	10k 1/16W Chip1608	9DK001-50185
	R738	10k 1/16W Chip1608	9DK001-50185
	R739	10k 1/16W Chip1608	9DK001-50185
	R740	10k 1/16W Chip1608	9DK001-50185
	R742	0 1/16W Chip1608	9DK001-50149
	R743	1.8k 1/16W Chip1608	9DK001-50205
	R745	0 1/16W Chip1608	9DK001-50149
	R747	0 1/16W Chip1608	9DK001-50149
	R749	0 1/16W Chip1608	9DK001-50149
	R757	0 1/16W Chip1608	9DK001-50149
	R758	0 1/16W Chip1608	9DK001-50149
	R758	10k 1/16W Chip1608	9DK001-50185
	R759	1k 1/16W Chip1608	9DK001-50177
	R760	1k 1/16W Chip1608	9DK001-50177
	R763	0 1/16W Chip1608	9DK001-50149
	R764	0 1/16W Chip1608	9DK001-50149
	R765	0 1/16W Chip1608	9DK001-50149
	R867	510 1/16W Chip1608	9DK001-50217
	R868	510 1/16W Chip1608	9DK001-50217
	R869	510 1/16W Chip1608	9DK001-50217
	R876	0 1/16W Chip1608	9DK001-50149
	R877	10k 1/16W Chip1608	9DK001-50185
	R879	0 1/16W Chip1608	9DK001-50149
	R881	0 1/16W Chip1608	9DK001-50149
	R883	0 1/16W Chip1608	9DK001-50149
	R885	0 1/16W Chip1608	9DK001-50149
	R887	0 1/16W Chip1608	9DK001-50149
	R901	0 1/4W Chip3216	9DK001-50113
	R911	10 1/10W Chip2125	9DK001-50121
	R912	10 1/10W Chip2125	9DK001-50121
	R920	100 1/16W Chip1608	9DK001-50165
	R921	100 1/16W Chip1608	9DK001-50165
	R922	10k 1/16W Chip1608	9DK001-50185
	R924	4.7k 1/16W Chip1608	9DK001-50183
	R925	4.7k 1/16W Chip1608	9DK001-50183
	R926	0 1/16W Chip1608	9DK001-50149
	R927	100 1/16W Chip1608	9DK001-50165
	R928	100 1/16W Chip1608	9DK001-50165
	R929	100 1/16W Chip1608	9DK001-50165
	R930	100 1/16W Chip1608	9DK001-50165
	R934	68 1/16W Resistor Array	9DK001-51040
	R936	68 1/16W Resistor Array	9DK001-51040
	R937	68 1/16W Resistor Array	9DK001-51040
	R939	68 1/16W Resistor Array	9DK001-51040
	R940	68 1/16W Resistor Array	9DK001-51040
	R941	68 1/16W Resistor Array	9DK001-51040
	R947	56 1/16W Resistor Array	9DK001-51039
	R951	6.8k 1/16W Resistor Array	9DK001-51037
	R959	68 1/16W Resistor Array	9DK001-51040
	R960	68 1/16W Resistor Array	9DK001-51040
	R961	68 1/16W Resistor Array	9DK001-51040
	R962	68 1/16W Resistor Array	9DK001-51040
	R963	68 1/16W Resistor Array	9DK001-51040
	R964	68 1/16W Resistor Array	9DK001-51040
	R965	68 1/16W Resistor Array	9DK001-51040
	R966	68 1/16W Resistor Array	9DK001-51040
	R967	68 1/16W Resistor Array	9DK001-51040
	R968	68 1/16W Resistor Array	9DK001-51040
	R969	68 1/16W Resistor Array	9DK001-51040
	R970	68 1/16W Resistor Array	9DK001-51040
	R971	33 1/16W Resistor Array	9DK001-51042
	R972	33 1/16W Resistor Array	9DK001-51042
	R973	33 1/16W Resistor Array	9DK001-51042
	R974	33 1/16W Resistor Array	9DK001-51042
	R975	33 1/16W Resistor Array	9DK001-51042
	R976	33 1/16W Resistor Array	9DK001-51042
	R977	10k 1/16W Chip1608	9DK001-50185
	R978	68 1/16W Chip1608	9DK001-50163
	R979	0 1/16W Chip1608	9DK001-50149
	R980	0 1/16W Chip1608	9DK001-50149
	R993	0 1/16W Chip1608	9DK001-50149
	R998	0 1/16W Chip1608	9DK001-50149
	R999	510 1/16W Chip1608	9DK001-50217
	R1000	4.7k 1/16W Chip1608	9DK001-50183
	R1001	4.7k 1/16W Chip1608	9DK001-50183
	R1002	100 1/16W Chip1608	9DK001-50165
	R1003	100 1/16W Chip1608	9DK001-50165
	R1004	1k 1/16W Chip1608	9DK001-50177
	R1005	1k 1/16W Chip1608	9DK001-50177
	R1006	2.2k 1/16W Chip1608	9DK001-50179
	R1007	1k 1/16W Chip1608	9DK001-50177
	R1008	1k 1/16W Chip1608	9DK001-50177
	R1009	2.2k 1/16W Chip1608	9DK001-50179
	R1011	33k 1/16W Chip1608	9DK001-50210
	R1012	1k 1/16W Chip1608	9DK001-50177
	R1013	47 1/16W Chip1608	9DK001-50161
	R1015	47 1/16W Chip1608	9DK001-50161
	R1017	47 1/16W Chip1608	9DK001-50161
	R1019	2.2k 1/16W Chip1608	9DK001-50179
	R1022	3.3k 1/16W Chip1608	9DK001-50181
	R1023	3.3k 1/16W Chip1608	9DK001-50181

Mark	No.	Description	Part No.
	R1024	3.3k 1/16W Chip1608	9DK001-50181
	R1025	0 1/16W Chip1608	9DK001-50149
	R1026	220 1/16W Chip1608	9DK001-50169
	R1027	220 1/16W Chip1608	9DK001-50169
	R1028	220 1/16W Chip1608	9DK001-50169
	R1029	1M 1/16W Chip1608	9DK001-50190
	R1030	1k 1/16W Chip1608	9DK001-50177
	R1031	22k 1/16W Chip1608	9DK001-50186
	R1032	100k 1/16W Chip1608	9DK001-50212
	R1033	1k 1/16W Chip1608	9DK001-50177
	R1034	1k 1/16W Chip1608	9DK001-50177
	R1035	100k 1/16W Chip1608	9DK001-50212
	R1036	1k 1/16W Chip1608	9DK001-50177
	R1037	22k 1/16W Chip1608	9DK001-50186
	R1038	100k 1/16W Chip1608	9DK001-50212
	R1042	1k 1/16W Chip1608	9DK001-50177
	R1043	1k 1/16W Chip1608	9DK001-50177
	R1044	1k 1/16W Chip1608	9DK001-50177
	R1045	560 1/16W Chip1608	9DK001-50174
	R1048	47 1/16W Chip1608	9DK001-50161
	R1049	47 1/16W Chip1608	9DK001-50161
	R1050	47 1/16W Chip1608	9DK001-50161
	R1051	4.7k 1/16W Chip1608	9DK001-50183
	R1052	4.7k 1/16W Chip1608	9DK001-50183
	R1053	4.7k 1/16W Chip1608	9DK001-50183
	R1054	4.7k 1/16W Chip1608	9DK001-50183
	R1055	4.7k 1/16W Chip1608	9DK001-50183
	R1056	4.7k 1/16W Chip1608	9DK001-50183
	R1058	4.7k 1/16W Chip1608	9DK001-50183
	R1059	4.7k 1/16W Chip1608	9DK001-50183
	R1060	4.7k 1/16W Chip1608	9DK001-50183
	R1061	4.7k 1/16W Chip1608	9DK001-50183
	R1062	4.7k 1/16W Chip1608	9DK001-50183
	R1077	6.8k 1/16W Chip1608	9DK001-50207
	R1079	56 1/16W Resistor Array	9DK001-51039
	R1082	22 1/16W Chip1608	9DK001-50159
	R1083	1k 1/16W Chip1608	9DK001-50177
	R1084	10k 1/16W Chip1608	9DK001-50185
	R1085	6.8k 1/16W Chip1608	9DK001-50207
	R1089	100 1/16W Chip1608	9DK001-50165
	R1099	0 1/16W Chip1608	9DK001-50149
	R1101	56 1/16W Resistor Array	9DK001-51039
	R1102	56 1/16W Resistor Array	9DK001-51039
	R1104	100 1/16W Chip1608	9DK001-50165
	R1105	10k 1/16W Chip1608	9DK001-50185
	R1107	1k 1/16W Chip1608	9DK001-50177
	R1108	16k 1/16W Chip1608	9DK001-50214
	R1110	4.7k 1/16W Chip1608	9DK001-50183
	R1120	0 1/16W Chip1608	9DK001-50149
	R1121	0 1/16W Chip1608	9DK001-50149
	R1122	0 1/16W Chip1608	9DK001-50149
	R1123	0 1/16W Chip1608	9DK001-50149
	R1124	0 1/16W Chip1608	9DK001-50149
	R1125	0 1/16W Chip1608	9DK001-50149
	R1126	10 1/4W Chip3216	9DK001-50088
	R1127	10k 1/16W Chip1608	9DK001-50185
	R1128	47 1/16W Chip1608	9DK001-50161
	FB15	0 1/10W Chip2125	9DK001-50110
	FB18	0 1/10W Chip2125	9DK001-50110
	FB19	0 1/10W Chip2125	9DK001-50110
	FL1	0 1/10W Chip2125	9DK001-50110
	FL98	33 1/10W Chip2125	9DK001-50080
	FL99	0 1/10W Chip2125	9DK001-50110
	FL102	0 1/10W Chip2125	9DK001-50110
	FL110	0 1/10W Chip2125	9DK001-50110

SWITCH

	S1	Switch Slide	9DK001-70012

MISCELLANEOUS PARTS

	FB50	Ferrite Bead Chip2125	9DK001-81060
	FB51	Ferrite Bead Chip2125	9DK001-81060
	FB52	Ferrite Bead Chip2125	9DK001-81060
	FB53	Ferrite Bead Chip2125	9DK001-81060
	CN1	Connector, 15-pin	9DK001-60074
	CN3	Connector, 29-pin	9DK001-60053
	CN5	Connector, JEY-9P-1A3F	9DK001-60066
	CN6	Connector, 30-pin	9DK001-60067
	CN7	Connector, 50-pin	9DK001-60058
	CN8	Connector, 12-pin	9DK001-60070
	CN9	Connector, 13-pin	9DK001-60071

G POWER UNIT

INTEGRATED CIRCUITS

	IC701	NJM2375AD	VHiNJM2375AD1
	IC702	TNY264P	VHiTNY264P/-1
	IC703	TA76431	VHiTA76431S15

TRANSISTORS

	Q701	2SK2662	VS2SK2662//-1
	Q702	2SC1741AS	VS2SC1741AS-1
	Q703	2SK2700	VS2SK2700//-1
	Q704	2SC1741AS	VS2SC1741AS-1
	Q705	DTD113ZS	VSDTD113ZS/-1
	Q706	DTC124ESA	VSDTC124ESA-1
	Q707	DTA124XSA	VSDTA124XSA-1
	Q708	DTC124ESA	VSDTC124ESA-1
	Q709	DTA114ESA	VSDTA114ESA-1

DIODES

	D701	Diode	VHDD3SB60//-1
	D702	Diode	VHD5JL2CZ47-1
	D703	Diode	VHD1SS270ATE1
	D704	Diode	VHD1SS270ATE1
	D705	Zener Diode	VHEHZS18-3/-1
	D706	Diode	VHD1SS270ATE1
	D707	Diode	VHD05NH45//-1
	D708	Diode	VHD05NH45//-1
	D709	Diode	VHDAG01////-1
	D710	Diode	VHDFMB26L//-1
	D711	Zener Diode	VHEHZS12A3/-1
	D713	Diode	VHDRK39LFC3-1
	D714	1SS270A	VHD1SS270ATE1
	D715	Zener Diode	VHEHZS3CLL/-1
	D716	Zener Diode	VHEHZS6C2//-1
	D717	Diode	VHD1SS270ATE1

PACKAGED CIRCUITS

⚠	PC701	Photo Coupler PC123FY	VHPPC123FY2-1
⚠	PC702	Photo Coupler PC123FY	VHPPC123FY2-1
⚠	PC703	Photo Coupler PC123FY	VHPPC123FY2-1
⚠	PC704	Photo Coupler PC123FY	VHPPC123FY2-1

Mark	No.	Description	Part No.
FILTERS AND COILS			
	L703	Coil	RCiLC1239SNEZ
	L704	Coil	RCiLC1249SNEZ
	L705	Coil	RCiLC1250SNEZ
	FB702	Ferrite Bead	RCORF1011SNEZ
	FB701	Ferrite Bead	RCORF1011SNEZ
TRANSFORMERS			
⚠	T701	Transformer	RTRNP1219SNEZ
⚠	T702	Transformer	RTRNP1220SNEZ
	TH701	Power Thermistor	VHS8D2-10LD-1
	TH702	Power Thermistor	VHS8D2-10LD-1
CAPACITORS			
⚠	C704	0.01 275V Film	RC-M2E103RESC
⚠	C705	1000p 250V Ceramic	RCDE0910R102S
	C706	0.82 400V Film	RC-M2G824MDSC
	C707	220p 2kV Ceramic	RCDE0707R221S
	C708	56 450V Electrolytic	RC-E2W566KMMZ
	C709	0.01 50V Ceramic	RCDD350BC103K
	C710	100 35V Electrolytic	RC-E1V107SNPW
	C711	0.47 12V Ceramic	RC-DD312F474Z
	C713	220p 2kV Ceramic	RCDE0707R221S
	C714	220p 2kV Ceramic	RCDE0707R221S
	C715	0.1 16V Ceramic	RCDD407SR104K
	C716	0.1 16V Ceramic	RCDD407SR104K
	C717	4700p 50V Ceramic	RCDD107-B472K
	C718	0.01 50V Ceramic	RCDD350BC103K
	C719	22 400V Electrolytic	RC-E2G226KMXZ
	C720	100p 2kV Ceramic	RCDE0705SL101
	C721	0.1 16V Ceramic	RCDD407SR104K
	C722	22 50V Electrolytic	RC-E1H226SNPJ
	C723	470 25V Electrolytic	RC-E1E477SNPW
	C724	470 25V Electrolytic	RC-E1E477SNPW
	C725	470 25V Electrolytic	RC-E1E477SNPW
	C726	0.1 16V Ceramic	RCDD407SR104K
	C727	470 25V Electrolytic	RC-E1E477SNPW
	C728	220 10V Electrolytic	RC-E1A227SNPW
	C729	220 10V Electrolytic	RC-E1A227SNPW
	C730	0.1 16V Ceramic	RCDD407SR104K
	C731	0.047 50V Ceramic	RCDD407SR473K
	C732	1 50V Electrolytic	RC-E1H105SNPR
	C733	2200p 50V Ceramic	RCDD106-B222K
RESISTORS			
	R702	1M 1/4W Carbon	VRD-HT2EY105J
	R703	1M 1/4W Carbon	VRD-HT2EY105J
	R704	22k 1/4W Carbon	VRD-HT2EY223J
	R705	10 1/4W Carbon	VRD-HT2EY100J
	R706	0.15 2W Metal Oxide	RR-HRNMR15J2C
	R707	820k 1/4W Carbon	VRD-HT2EY824J
	R708	750k 1/4W Carbon	VRD-HT2EY754J
	R709	0 1/4W Carbon	VRD-HT2EY000J
	R710	15k 1/4W Carbon	VRD-HT2EY153J
	R711	560 1/4W Carbon	VRD-HT2EY561J
	R712	1k 1/4W Carbon	VRD-HT2EY102J
	R713	10k 1/4W Carbon	VRD-HT2EY103J
	R714	100 2W Metal Oxide	VRS-RE3DA101J
	R715	270k 1/2W Carbon	VRD-HT2HY274J
	R716	270k 1/2W Carbon	VRD-HT2HY274J
	R717	18k 1/4W Carbon	VRD-HT2EY183J
	R718	5.6k 1/4W Carbon	VRD-HT2EY562J
	R719	3 3W Metal Oxide	RR-HRSM3R0J3C
	R720	1.5k 1/4W Carbon	VRD-HT2EY152J
	R721	220 1/2W Carbon	VRD-HT2HY221J
	R722	68 1/4W Carbon	VRD-HT2EY680J
	R723	100 1/4W Carbon	VRD-HT2EY101J
	R724	470 1/4W Carbon	VRD-HT2EY471J
	R725	1k 1/4W Carbon	VRD-HT2EY102J
	R726	1.2k 1/4W Carbon	VRD-HT2EY122J
	R727	1.5k 1/2W Carbon	VRD-HT2HY152J
	R728	10 1/4W Carbon	VRD-HT2EY100J
	R729	100 1/4W Carbon	VRD-HT2EY101J
	R730	220 1/4W Carbon	VRD-HT2EY221J
	R731	1k 1/4W Carbon	VRD-HT2EY102J
	R732	10k 1/4W Carbon	VRD-HT2EY103J
	R733	3.6k 1/4W Carbon	VRNHT2EK3601F
	R734	150 1/4W Carbon	VRNHT2EK1500F
	R735	1k 1/4W Carbon	VRNHT2EY1001F
	R736	1k 1/4W Carbon	VRD-HT2EY102J
	R737	2.2k 1/4W Carbon	VRD-HT2EY222J
	R738	2.2k 1/4W Carbon	VRD-HT2EY222J
	R739	5.6k 1/4W Carbon	VRD-HT2EY562J
	R740	51k 1/4W Carbon	VRD-HT2EY513J
SWITCH			
⚠	SW701	Switch	QSW-P0591CEZZ
MISCELLANEOUS PARTS			
⚠	RL701	Relay	RRLYD1010SNEZ
⚠	F702	Fuse T2A 250V TR-5	QFS-A1129SNEZ
	CN702	Connector, 3-pin	QCNCM1003SNEZ
	CN703	Connector, 12-pin	QCNCM1766SNEZ
		Heat Sink	PRDAF1085SNEZ
		Heat Sink	PRDAF1073SNEZ

H EMC UNIT

Mark	No.	Description	Part No.
DIODE			
⚠	VA701	Varistor	VHVNV470D10-C
FILTERS			
⚠	L701	Filter	RCiLZ1232SNEZ
⚠	L702	Filter	RCiLZ1232SNEZ
CAPACITORS			
⚠	C701	0.22 275V Film	RC-M2EE224RESC
⚠	C702	1000p 250V Ceramic	RCDE0910R102S
⚠	C703	1000p 250V Ceramic	RCEDE0910R102S
⚠	C735	0.22 275V Film	RC-M2E224RESC
RESISTOR			
	R701	390k 1/2W Carbon	VRD-HT2HY394J
MISCELLANEOUS PARTS			
⚠	F701	Fuse T2A 250V TR-5	QFS-A1129SNEZ
⚠	CN701	Socket, 3-pin	QSOCA1012SNEZ
	CNW701	Connecting Cord NF Cable	QCNW-1765SNEZ
	CNW702	Connecting Cord Earth Cable	QCNW-1769SNEZ

6. ADJUSTMENT



• Procedure for turning ON the power

1. Connecting the system

- Using the system cable, connect the plasma display and the media receiver.
- Connect the plasma display to the AC power source.
- Connect the media receiver to the AC power source.

2. Procedure for turning ON the power

- Turn ON the AC power switch located on the plasma display.
 The power indicator on the plasma display will start blinking in red.
 (When the AC power switch on the media receiver is not ON, the power indicator on the plasma display always blinks in red.)
- Turn ON the power switch located on the media receiver.
 The power indicator on the media receiver will be illuminated in green. Simultaneously, the power indicator on the plasma display will change from blinking in red to illumination in green. Now the system has started up.
- If the power indicator on the media receiver is illuminated in red, press the 10 key located on the remote controller and the STANDBY/ON button located on the plasma display. The power indicators on the plasma display and the media receiver will change from red to green. Now the system has started up.

• Procedure for adjusting each part of media receiver

- The adjustments were made to the best settings at factory. If any setting deviates or if any readjustment is regarded as necessary when any part is replaced, perform the following steps.
- Any parameter that has been changed within the process adjustment is stored on the memory. If any readjustment is required, write down the current value before changing it.

1. Preparation for adjustment

- Use a stable AC power source.
- If the program is upgraded, it will take approximately 1 minute for the EEPROM to be initialized before any video appears. Therefore, you will need to wait for this time period. Do not turn OFF the power or operate the system during the period.
- If the program is rewritten, write down the parameters that have been changed within the process adjustment (see “5.OSD menu and parameters displayed at manual adjustment), initialize the EEPROM, and then reenter the recorded values.

2. Procedure for upgrading the software

(1) With the power being OFF, open the top cabinet for the media receiver and then set the slide switch from the NORMAL position to the WRITE position by inserting a needle-like insulator into the cutout located between the WHITE port on the rear of the shield case for the I/F board and the RS-232C port.
(2) Connect the PC having the program installed, to the media receiver using the cross cable for the RS-232C port (for the details of the program, see Appendix).
(3) Open the MS-DOS window on the PC and then go to the directory in which the software is installed.
(4) Start up the system to which the media receiver and plasma display have been connected.
(5) Run “vup.bat at the MS-DOS prompt. The software will be upgraded.
(6) Load the file “civic_XXXa.bhx/main.bhx/osd.bhx”. It will take approximately 7 minutes until the file has been loaded. Never turn OFF the power or operate the system during this rewriting period.
(7) After the file has been loaded, turn OFF the plasma display and the media receiver and then return the slide switch in the above step 1 from the WRITE position to the NORMAL position. Now the software has been upgraded.

3. Entering a special mode

① Entering the process adjustment mode

[Steps]

(1) When using the remote controller:
Using the system cable, properly connect the plasma display and the media receiver, and then turn ON the power.
After the system has started up, press the PROCESS ADJ button located on the remote controller.

(2) When using buttons on the main unit:
Using the system cable, properly connect the plasma display and the media receiver.
Turn ON the power while holding down the INPUT SELECT button and Vol UP button located the plasma display.

[Description]

Various adjustments can be made manually.

② Entering the inspection process mode

[Steps]

After the system has started up, press the PROCESS ADJ button located on the remote controller.
Set the parameter SIGNAL INFO to 1 on page 6 of the PROCESS ADJUSTMENT A MODE MENU.
Subsequently, make the necessary adjustments in accordance with the above menu.

③ Procedure for setting up delivery

[Steps]

After the system has started up, press the DELIVERY SETUP button located on the remote controller.
(Within the adjustment process, the channel settings remain unchanged. Once you exit the process adjustment mode, the channel settings entered in the delivery adjustment mode become valid.)

[Description]

The user's adjustment parameters and others will be set to the default values. The channel settings will also be initialized.

4. Exiting a special mode

(1) Process adjustment mode: Press the PROCESS ADJ button located on the remote controller or turn OFF the power.
(2) Inspection process mode: Set the parameter SIGNAL INFO to 0 on page 6 of the PROCESS ADJ A MODE MENU or turn OFF the power.
(3) Delivery setup: After the delivery setup has been finished, the process adjustment mode is automatically selected. To exit the process adjustment mode, press the PROCESS ADJ button located on the remote controller or turn OFF the power.

5. OSD menu and parameters displayed at manual adjustment

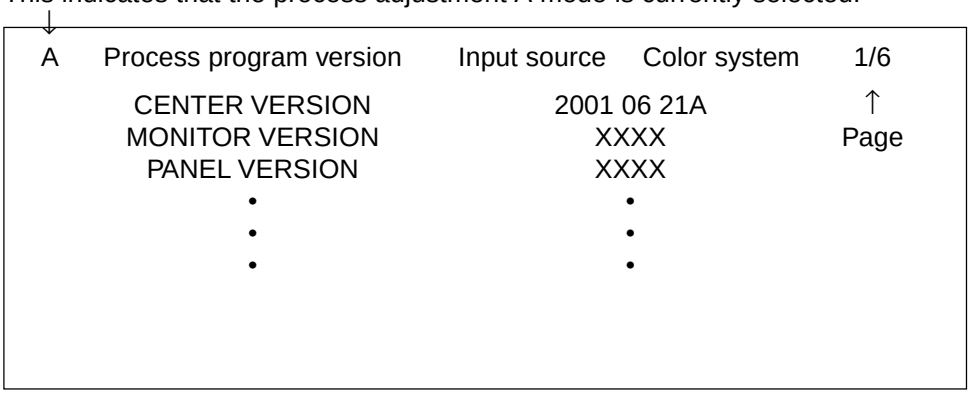
* The default values may slightly differ depending upon the program version to be rewritten.
* The settings are not initialized to the default values by merely rewriting the program. (See the paragraph for Preparation for adjustment.)

(1) Descriptions of special buttons in process adjustment mode

Cursor UP key	: Proceeds to the next page.
Cursor DOWN key	: Returns to the previous page.
Vol UP key	: Increases the adjusted value by 1.
Vol DOWN key	: Decreases the adjusted value by 1.
Cursor LEFT key	: Increases the adjusted value by 10.
Cursor RIGHT key	: Decreases the adjusted value by 10.
Tuning UP key	: Moves up the cursor.
Tuning DOWN key	: Moves down the cursor.

(2) Organization of process adjustment screen

This indicates that the process adjustment A mode is currently selected.



2nd page

Parameter displaye	**Setting range**	**Description**
• +BAdj3.3V	0 ~ 255	3.3 V adjustment
• +BAdj2.5V	0 ~ 255	2.2 V adjustment
• PAL Y CONTRAST	0 ~ 63	PAL Y level adjustment
• PAL COLOR GAIN	0 ~ 63	PAL color density adjustment
• MAIN CR GAIN PAL	0 ~ 255	PAL Cr level adjustment
• MAIN SUBBRIGHT 15K	0 ~ 63	Pedestal level adjustment (15 k)
• MAIN CONTRAST 15K	0 ~ 15	PCB input amplitude adjustment (15 k)
• SUB PAL Y	-30 ~ 30	Sub PAL Y level adjustment
• SUB PAL COLOR GAIN	0 ~ 63	Sub PAL color density adjustment
• PEAK ACL SW	OFF/ON	

3rd page

Parameter displaye	**Setting range**	**Description**
• SECAM Y CONTRAST	0 ~ 63	SECAM Y level adjustment
• SECAM COLOR GAIN	0 ~ 63	SECAM color density level adjustment
• MAIN CR GAIN SECAM	0 ~ 255	SECAM Cr level adjustment
• N358 Y CONTRAST	0 ~ 63	N358 Y level adjustment
• N358 COLOR GAIN	0 ~ 63	N358 color density adjustment
• MAIN CR GAIN N358	0 ~ 255	N358 Cr level adjustment
• N358 TINT	-30 ~ 30	N358 tone adjustment
• COMP 15K Y CONTRAST	0 ~ 63	COMP 15 k Y level adjustment
• COMP 15K COLOR GAIN	0 ~ 68	COMP 15 k color density adjustment
• MAIN CR GAIN COMP15K	0 ~ 255	COMP 15 k Cr level adjustment
• COMP HDTV SUB BRIGHT	0 ~ 63	COMP HDTV black level adjustment
• COMP HDTV CONTRAST	0 ~ 15	COMP HDTV Y level adjustment
• DATA COPY	OFF/ON	COMP HDTV color density adjustment

The values for the above parameters should be written down before the EEPROM is replaced on the media receiver.

6. Procedures before and after replacing the I/F board

1) Before replacing the I/F board, write down the values for the parameters listed on the 2nd and 3rd pages of the Adjustment Process A screen.
If the values for the parameters cannot be written down because the I/F board is completely broken or for any other reason, make all the adjustments in accordance with the paragraph for Adjustment procedure and parameters, rather than the following procedures. (End)
Set the parameters listed on the 2nd and 3rd pages of the Adjustment Process A screen to the values you have written down.

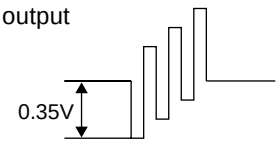
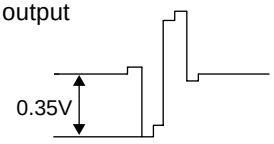
7. Adjustment parameters

1) Analog adjustment

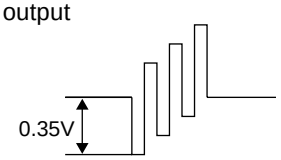
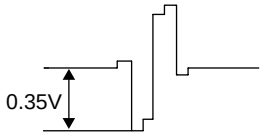
(1) Prior adjustment for AVC system chassis

	Adjustment item	Description	Adjustment procedure
1	Destination check		1. Call the process adjustment mode. 2. For the A2PZ50MP2E, check that the destination is “Europe”.
2	AVC center 3.3V adjustment	Connect DC voltmeter to TP7008 (Change TP No. to TP1702 starting with 2nd lot).	Adjust output voltage of DC/DC 5 V line to 3.3 ±0.02 V. Adjusted value: 3.3 ±0.02 V
3	AVC center 2.5V adjustment	Connect DC voltmeter to TP7007 (Change TP No. to TP1702 starting with 2nd lot).	Adjust output voltage of DC/DC 2.5 V line to 2.6 ±0.02 V. Adjusted value: 2.6 ±0.02 V

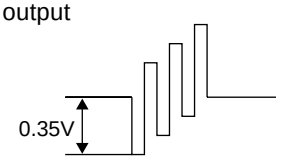
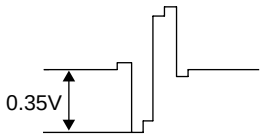
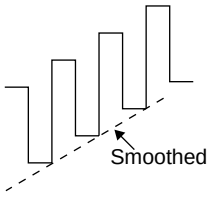
(2) PAL signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Set color system to “PAL”. 2. Select PAL source. Color bar signal including 100% white, such as split field color bar
2	Tuner Y level adjustment		1. Adjust TP1101 so that the Y signal without the chroma component should be 1.0 Vp-p (between the bottom of sync signal and the white peak). Adjustment value: 1.00 ±0.05 V
3	MAIN PAL Y level adjustment		1. Adjust TB1274_MAIN output (TP803) to 0.35 Vp-p. Adjusted value: 0.7 ±0.05 V
4	MAIN PAL color density adjustment		1. Adjust TB1274_MAIN output (TP802) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 
5	MAIN PAL Cr level adjustment		1. Adjust TB1274_MAIN output (TP801) to 0.35 Vp-p. Adjusted value: 0.35 ±0.05 V 
6	MAIN CONTRAST adjustment		1. Turn off the PEAK ACL control. Adjust the output (TP815) of IC810 to have 1.1 Vp-p from the pedestal level. Adjusted value: 1.1 ±0.05 V
		Press the 2-screen key.	1. Select the special 2-screen settings for adjustment (so that the same video source is reflected on MAIN/SUB).
7	SUB PAL Y level adjustment		1. Adjust TB1274_SUB output (TP806) to 0.9 Vp-p. Adjusted value: 0.9 ±0.05 V
8	SUB PAL color density adjustment		1. Adjust TB1274_SUB output (TP805) to 0.9 Vp-p. Adjusted value: 0.9 ±0.05 V

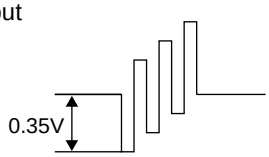
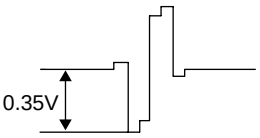
(3) SECAM signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Set color system to SECAM. 2. Select SECAM source. Color bar signal including 100% white, such as split field color bar
2	MAIN SECAM Y level adjustment		1. Adjust TB1274_MAIN output (TP803) to 0.7 Vp-p. Adjusted value: 0.7 ±0.05 V
3	MAIN SECAM color density adjustment		1. Adjust TB1274_MAIN output (TP802) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 
4	MAIN SECAM Cr level adjustment		1. Adjust TB1274_MAIN output (TP801) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 

(4) N358 signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Set color system to N358. 2. Select N358 source. SMPTE color bar or similar color bar signal including 100% white.
2	MAIN N368 Y level adjustment		1. Adjust TB1274_MAIN output (TP803) to 0.7 Vp-p. Adjusted value: 0.7 ±0.05 V
3	MAIN N368 color density adjustment		1. Adjust TB1274_MAIN output (TP802) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 
4	MAIN N368 Cr level adjustment		1. Adjust TB1274_MAIN output (TP801) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 
5	MAIN N368 hue adjustment		1. Adjust TB1274_MAIN output (TP802) so that waveform becomes as illustrated below: 

(5) Component 15 kHz signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Select component 15 kHz. 2. Select component source. Color bar signal including 100% white, like split field color bar
2	MAIN component 15 K Y level adjustment		Adjust TB1274_MAIN output (TP803) to 0.7 Vp-p. Adjusted value: 0.7 ±0.05 V
3	MAIN component 15 K color density adjustment		Adjust TB1274_MAIN output (TP802) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 
4	MAIN component 15 K Cr level adjustment		Adjust TB1274_MAIN output (TP801) to 0.35 Vp-p. Adjusted value: 0.35 ±0.025 V 

(6) Component HDTV signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Input HDTV (1080i) component signal. 2. Select component source. Color bar signal including 100% white, like split field color bar
2	MAIN component HDTV contrast adjustment		Turn off the PEAK ACL control. Adjust the output (TP815) of IC810 (11) to have 1.1 Vp-p from the pedestal level. Adjusted value: 1.1 ±0.05 V

2. Factory settings

(1) Data Copy

	Adjustment item	Description	Adjustment procedure
1	Data Copy		1. Using the adjustment key, set “ON” in the DATA COPY line. Wait until “OFF” is displayed instead. Finally turn off the power to quit the process adjustment mode.

(2) Delivery setup

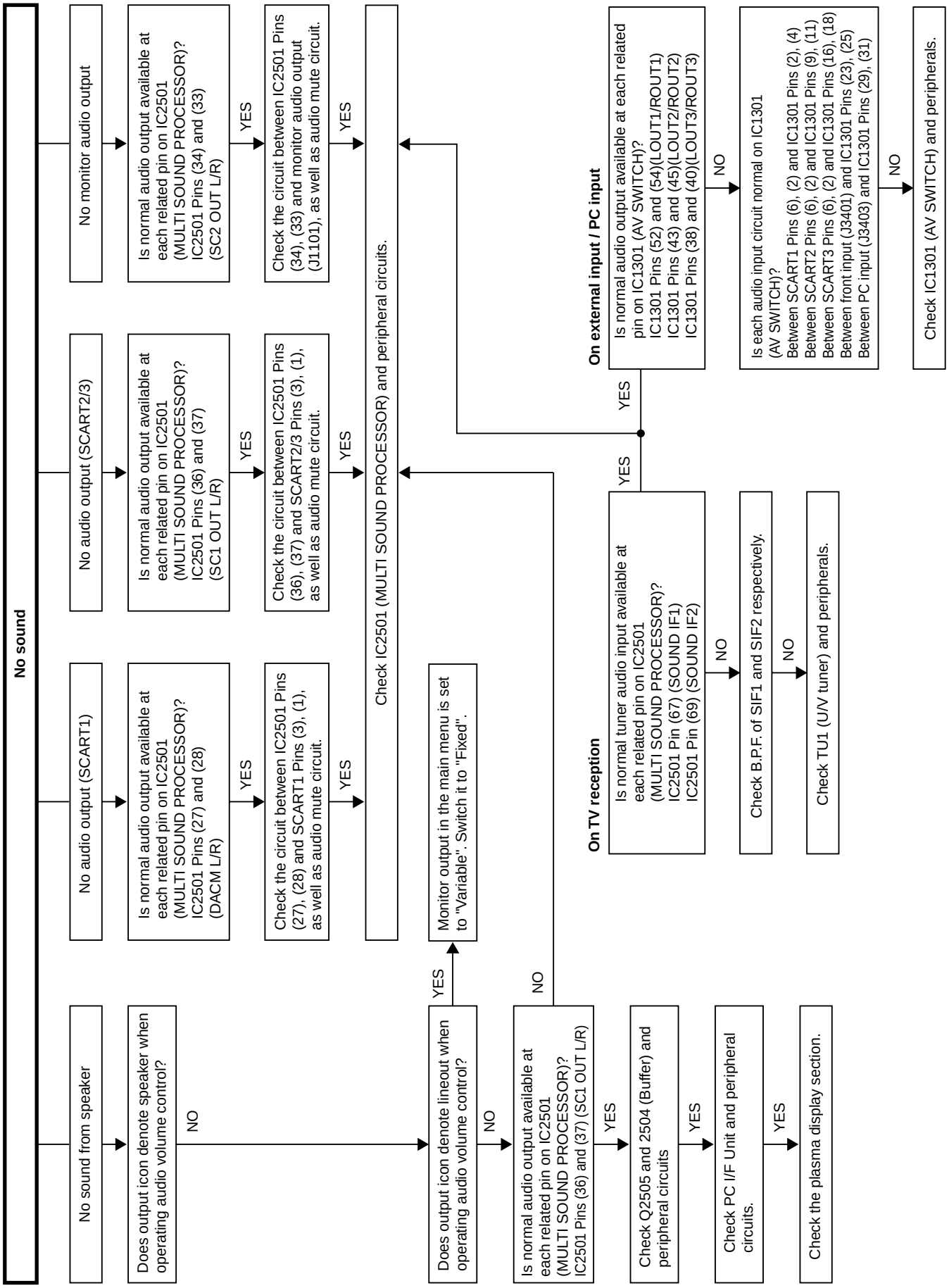
	Adjustment item	Description	Adjustment procedure
1	Delivery setup		Press the Delivery Setup button located on the remote controller, or position the cursor on the INDUSTRY INIT line, set the line to ON with the ADJ key, and then press the ENTER key. The adjustment is finished when the line turns OFF,

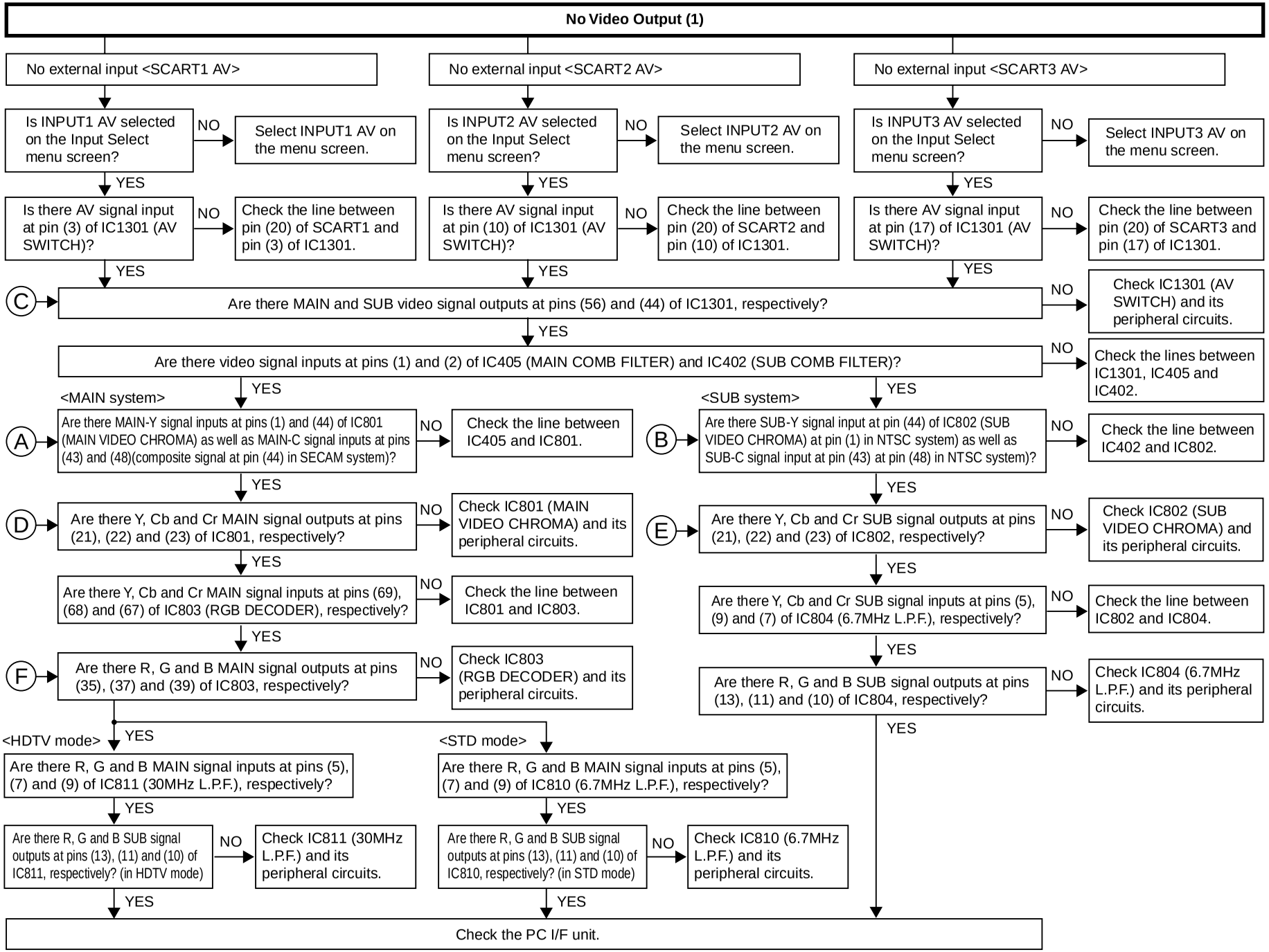
* Finally turn off the power to exit from the process adjustment mode.

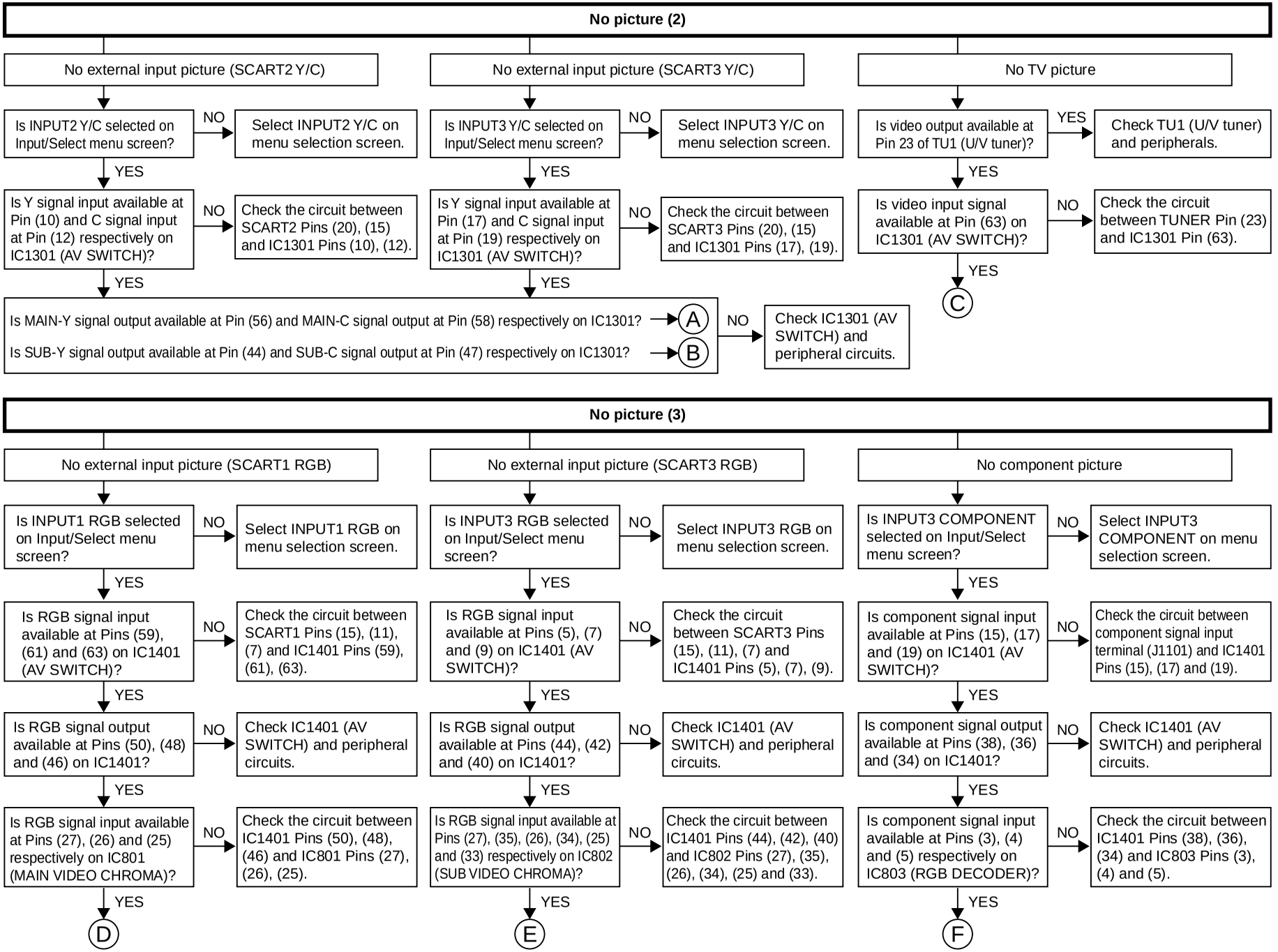
7. GENERAL INFORMATION

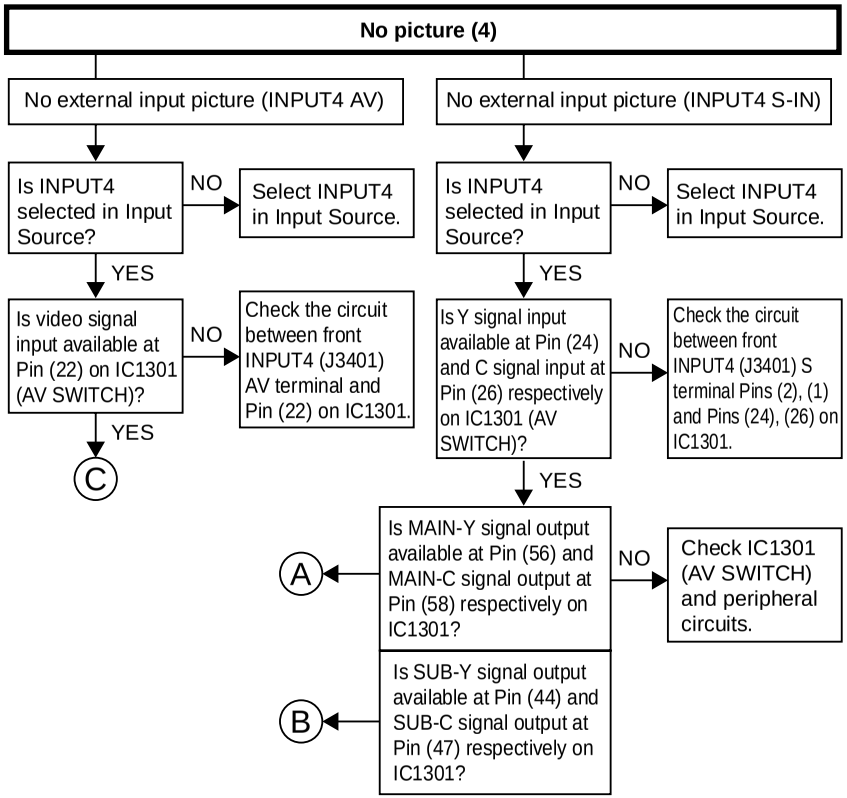
7.1 DIAGNOSIS

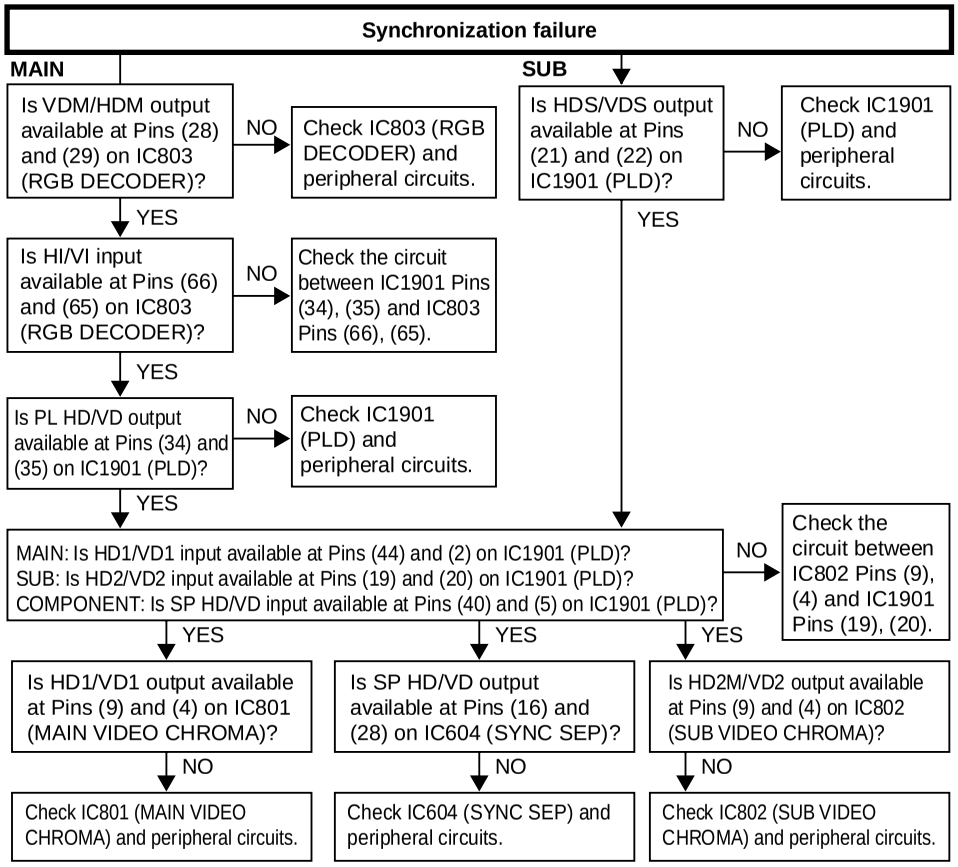
7.1.1 TROUBLE SHOOTING

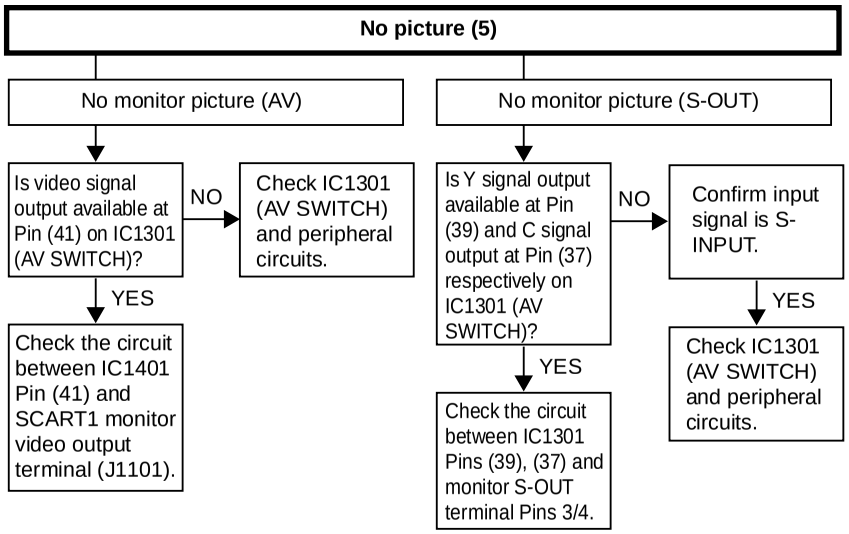


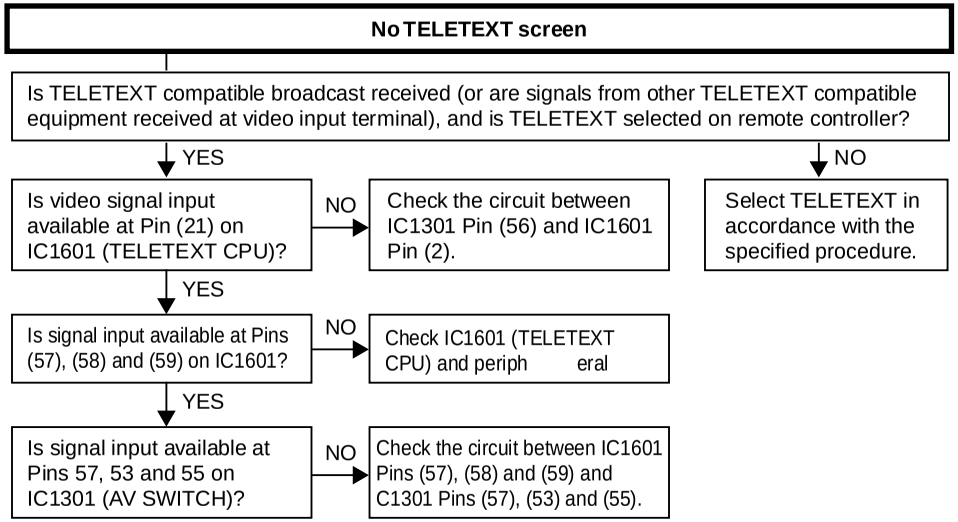

No Video Output (1)
No external input <SCART1 AV>
No external input <SCART2 AV>
No external input <SCART3 AV>
Is INPUT1 AV selected on the Input Select menu screen?
NO
Select INPUT1 AV on the menu screen.
YES
Is INPUT2 AV selected on the Input Select menu screen?
NO
Select INPUT2 AV on the menu screen.
YES
Is INPUT3 AV selected on the Input Select menu screen?
NO
Select INPUT3 AV on the menu screen.
YES
Is there AV signal input at pin (3) of IC1301 (AV SWITCH)?
NO
Check the line between pin (20) of SCART1 and pin (3) of IC1301.
YES
Is there AV signal input at pin (10) of IC1301 (AV SWITCH)?
NO
Check the line between pin (20) of SCART2 and pin (10) of IC1301.
YES
Is there AV signal input at pin (17) of IC1301 (AV SWITCH)?
NO
Check the line between pin (20) of SCART3 and pin (17) of IC1301.
YES
C
Are there MAIN and SUB video signal outputs at pins (56) and (44) of IC1301, respectively?
NO
Check IC1301 (AV SWITCH) and its peripheral circuits.
YES
Are there video signal inputs at pins (1) and (2) of IC405 (MAIN COMB FILTER) and IC402 (SUB COMB FILTER)?
NO
Check the lines between IC1301, IC405 and IC402.
YES
<MAIN system>
YES
<SUB system>
A
Are there MAIN-Y signal inputs at pins (1) and (44) of IC801 (MAIN VIDEO CHROMA) as well as MAIN-C signal inputs at pins (43) and (48)(composite signal at pin (44) in SECAM system)?
NO
Check the line between IC405 and IC801.
B
Are there SUB-Y signal input at pin (44) of IC802 (SUB VIDEO CHROMA) at pin (1) in NTSC system) as well as SUB-C signal input at pin (43) at pin (48) in NTSC system)?
NO
Check the line between IC402 and IC802.
YES
D
Are there Y, Cb and Cr MAIN signal outputs at pins (21), (22) and (23) of IC801, respectively?
NO
Check IC801 (MAIN VIDEO CHROMA) and its peripheral circuits.
YES
E
Are there Y, Cb and Cr SUB signal outputs at pins (21), (22) and (23) of IC802, respectively?
NO
Check IC802 (SUB VIDEO CHROMA) and its peripheral circuits.
YES
Are there Y, Cb and Cr MAIN signal inputs at pins (69), (68) and (67) of IC803 (RGB DECODER), respectively?
NO
Check the line between IC801 and IC803.
YES
Are there Y, Cb and Cr SUB signal inputs at pins (5), (9) and (7) of IC804 (6.7MHz L.P.F.), respectively?
NO
Check the line between IC802 and IC804.
YES
F
Are there R, G and B MAIN signal outputs at pins (35), (37) and (39) of IC803, respectively?
NO
Check IC803 (RGB DECODER) and its peripheral circuits.
YES
Are there R, G and B SUB signal outputs at pins (13), (11) and (10) of IC804, respectively?
NO
Check IC804 (6.7MHz L.P.F.) and its peripheral circuits.
YES
<HDTV mode>
YES
<STD mode>
Are there R, G and B MAIN signal inputs at pins (5), (7) and (9) of IC811 (30MHz L.P.F.), respectively?
YES
Are there R, G and B MAIN signal inputs at pins (5), (7) and (9) of IC810 (6.7MHz L.P.F.), respectively?
YES
Are there R, G and B SUB signal outputs at pins (13), (11) and (10) of IC811, respectively? (in HDTV mode)
NO
Check IC811 (30MHz L.P.F.) and its peripheral circuits.
YES
Are there R, G and B SUB signal outputs at pins (13), (11) and (10) of IC810, respectively? (in STD mode)
NO
Check IC810 (6.7MHz L.P.F.) and its peripheral circuits.
YES
Check the PC I/F unit.

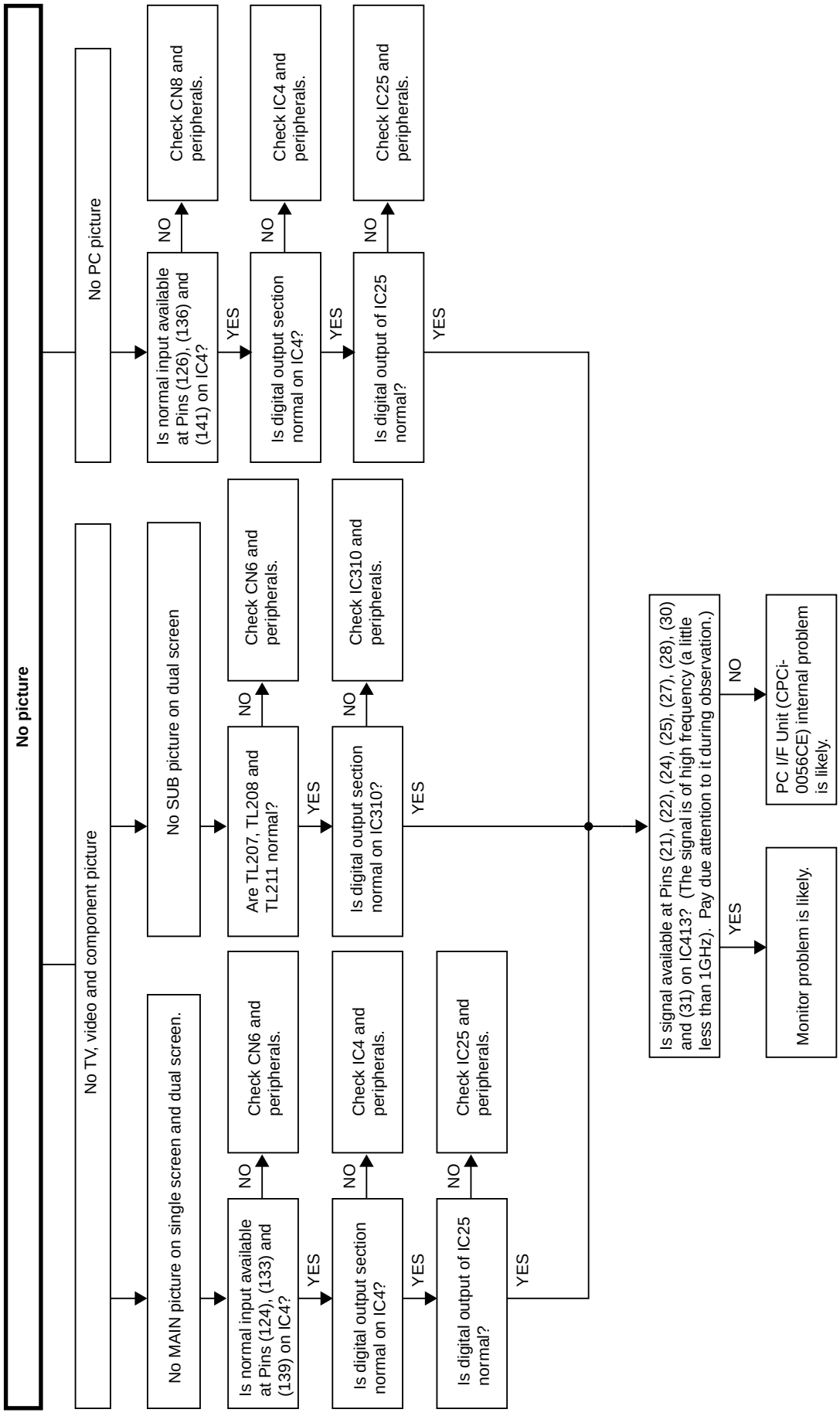

No picture (2)
No external input picture (SCART2 Y/C)
Is INPUT2 Y/C selected on Input/Select menu screen?
NO
Select INPUT2 Y/C on menu selection screen.
YES
Is Y signal input available at Pin (10) and C signal input at Pin (12) respectively on IC1301 (AV SWITCH)?
NO
Check the circuit between SCART2 Pins (20), (15) and IC1301 Pins (10), (12).
YES
No external input picture (SCART3 Y/C)
Is INPUT3 Y/C selected on Input/Select menu screen?
NO
Select INPUT3 Y/C on menu selection screen.
YES
Is Y signal input available at Pin (17) and C signal input at Pin (19) respectively on IC1301 (AV SWITCH)?
NO
Check the circuit between SCART3 Pins (20), (15) and IC1301 Pins (17), (19).
YES
No TV picture
Is video output available at Pin 23 of TU1 (U/V tuner)?
YES
Check TU1 (U/V tuner) and peripherals.
YES
Is video input signal available at Pin (63) on IC1301 (AV SWITCH)?
NO
Check the circuit between TUNER Pin (23) and IC1301 Pin (63).
YES
C
Is MAIN-Y signal output available at Pin (56) and MAIN-C signal output at Pin (58) respectively on IC1301?
A
Is SUB-Y signal output available at Pin (44) and SUB-C signal output at Pin (47) respectively on IC1301?
B
NO
Check IC1301 (AV SWITCH) and peripheral circuits.
No picture (3)
No external input picture (SCART1 RGB)
Is INPUT1 RGB selected on Input/Select menu screen?
NO
Select INPUT1 RGB on menu selection screen.
YES
Is RGB signal input available at Pins (59), (61) and (63) on IC1401 (AV SWITCH)?
NO
Check the circuit between SCART1 Pins (15), (11), (7) and IC1401 Pins (59), (61), (63).
YES
Is RGB signal output available at Pins (50), (48) and (46) on IC1401?
NO
Check IC1401 (AV SWITCH) and peripheral circuits.
YES
Is RGB signal input available at Pins (27), (26) and (25) respectively on IC801 (MAIN VIDEO CHROMA)?
NO
Check the circuit between IC1401 Pins (50), (48), (46) and IC801 Pins (27), (26), (25).
YES
D
No external input picture (SCART3 RGB)
Is INPUT3 RGB selected on Input/Select menu screen?
NO
Select INPUT3 RGB on menu selection screen.
YES
Is RGB signal input available at Pins (5), (7) and (9) on IC1401 (AV SWITCH)?
NO
Check the circuit between SCART3 Pins (15), (11), (7) and IC1401 Pins (5), (7), (9).
YES
Is RGB signal output available at Pins (44), (42) and (40) on IC1401?
NO
Check IC1401 (AV SWITCH) and peripheral circuits.
YES
Is RGB signal input available at Pins (27), (35), (26), (34), (25) and (33) respectively on IC802 (SUB VIDEO CHROMA)?
NO
Check the circuit between IC1401 Pins (44), (42), (40) and IC802 Pins (27), (35), (26), (34), (25) and (33).
YES
E
No component picture
Is INPUT3 COMPONENT selected on Input/Select menu screen?
NO
Select INPUT3 COMPONENT on menu selection screen.
YES
Is component signal input available at Pins (15), (17) and (19) on IC1401 (AV SWITCH)?
NO
Check the circuit between component signal input terminal (J1101) and IC1401 Pins (15), (17) and (19).
YES
Is component signal output available at Pins (38), (36) and (34) on IC1401?
NO
Check IC1401 (AV SWITCH) and peripheral circuits.
YES
Is component signal input available at Pins (3), (4) and (5) respectively on IC803 (RGB DECODER)?
NO
Check the circuit between IC1401 Pins (38), (36), (34) and IC803 Pins (3), (4) and (5).
YES
F


No picture (4)
No external input picture (INPUT4 AV)
No external input picture (INPUT4 S-IN)
Is INPUT4 selected in Input Source?
NO
Select INPUT4 in Input Source.
YES
Is video signal input available at Pin (22) on IC1301 (AV SWITCH)?
Check the circuit between front INPUT4 (J3401) AV terminal and Pin (22) on IC1301.
C
Is Y signal input available at Pin (24) and C signal input at Pin (26) respectively on IC1301 (AV SWITCH)?
Check the circuit between front INPUT4 (J3401) S terminal Pins (2), (1) and Pins (24), (26) on IC1301.
A
Is MAIN-Y signal output available at Pin (56) and MAIN-C signal output at Pin (58) respectively on IC1301?
Check IC1301 (AV SWITCH) and peripheral circuits.
B
Is SUB-Y signal output available at Pin (44) and SUB-C signal output at Pin (47) respectively on IC1301?


Synchronization failure
MAIN
SUB
Is VDM/HDM output available at Pins (28) and (29) on IC803 (RGB DECODER)?
Check IC803 (RGB DECODER) and peripheral circuits.
Is HDS/VDS output available at Pins (21) and (22) on IC1901 (PLD)?
Check IC1901 (PLD) and peripheral circuits.
Is HI/VI input available at Pins (66) and (65) on IC803 (RGB DECODER)?
Check the circuit between IC1901 Pins (34), (35) and IC803 Pins (66), (65).
Is PL HD/VD output available at Pins (34) and (35) on IC1901 (PLD)?
Check IC1901 (PLD) and peripheral circuits.
MAIN: Is HD1/VD1 input available at Pins (44) and (2) on IC1901 (PLD)?
SUB: Is HD2/VD2 input available at Pins (19) and (20) on IC1901 (PLD)?
COMPONENT: Is SP HD/VD input available at Pins (40) and (5) on IC1901 (PLD)?
Check the circuit between IC802 Pins (9), (4) and IC1901 Pins (19), (20).
Is HD1/VD1 output available at Pins (9) and (4) on IC801 (MAIN VIDEO CHROMA)?
Is SP HD/VD output available at Pins (16) and (28) on IC604 (SYNC SEP)?
Is HD2M/VD2 output available at Pins (9) and (4) on IC802 (SUB VIDEO CHROMA)?
Check IC801 (MAIN VIDEO CHROMA) and peripheral circuits.
Check IC604 (SYNC SEP) and peripheral circuits.
Check IC802 (SUB VIDEO CHROMA) and peripheral circuits.

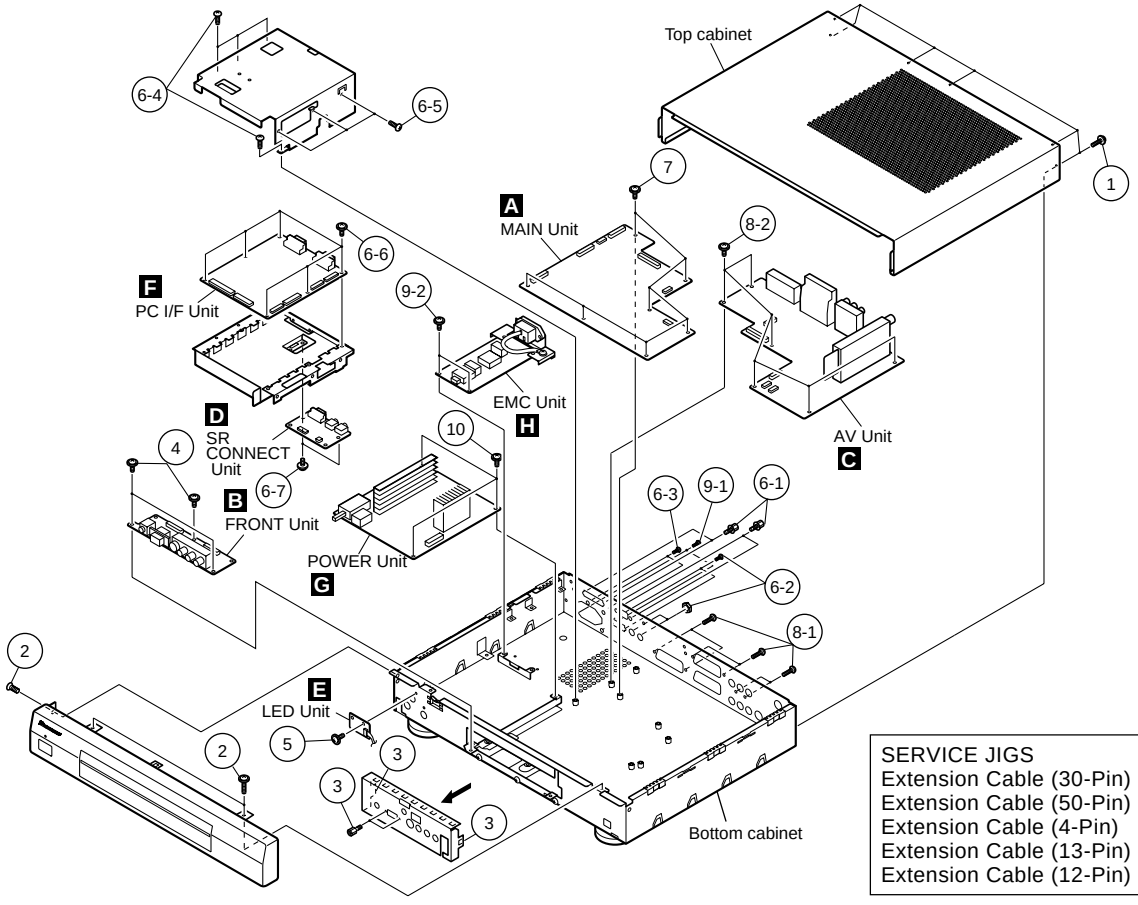

No picture (5)
No monitor picture (AV)
No monitor picture (S-OUT)
Is video signal output available at Pin (41) on IC1301 (AV SWITCH)?
Check IC1301 (AV SWITCH) and peripheral circuits.
Check the circuit between IC1401 Pin (41) and SCART1 monitor video output terminal (J1101).
Is Y signal output available at Pin (39) and C signal output at Pin (37) respectively on IC1301 (AV SWITCH)?
Confirm input signal is S-INPUT.
Check IC1301 (AV SWITCH) and peripheral circuits.
Check the circuit between IC1301 Pins (39), (37) and monitor S-OUT terminal Pins 3/4.


No TELETEXT screen
Is TELETEXT compatible broadcast received (or are signals from other TELETEXT compatible equipment received at video input terminal), and is TELETEXT selected on remote controller?
Is video signal input available at Pin (21) on IC1601 (TELETEXT CPU)?
Check the circuit between IC1301 Pin (56) and IC1601 Pin (2).
Select TELETEXT in accordance with the specified procedure.
Is signal input available at Pins (57), (58) and (59) on IC1601?
Check IC1601 (TELETEXT CPU) and periph eral
Is signal input available at Pins 57, 53 and 55 on IC1301 (AV SWITCH)?
Check the circuit between IC1601 Pins (57), (58) and (59) and C1301 Pins (57), (53) and (55).


No picture
No TV, video and component picture
No MAIN picture on single screen and dual screen.
Is normal input available at Pins (124), (133) and (139) on IC4?
NO
Check CN6 and peripherals.
YES
Is digital output section normal on IC4?
NO
Check IC4 and peripherals.
YES
Is digital output of IC25 normal?
NO
Check IC25 and peripherals.
YES
No SUB picture on dual screen
Are TL207, TL208 and TL211 normal?
NO
Check CN6 and peripherals.
YES
Is digital output section normal on IC310?
NO
Check IC310 and peripherals.
YES
No PC picture
Is normal input available at Pins (126), (136) and (141) on IC4?
NO
Check CN8 and peripherals.
YES
Is digital output section normal on IC4?
NO
Check IC4 and peripherals.
YES
Is digital output of IC25 normal?
NO
Check IC25 and peripherals.
YES
Is signal available at Pins (21), (22), (24), (25), (27), (28), (30) and (31) on IC413? (The signal is of high frequency (a little less than 1GHz). Pay due attention to it during observation.)
NO
PC I/F Unit (CPCi-0056CE) internal problem is likely.
YES
Monitor problem is likely.

7.1.2 DISASSEMBLY

1. Remove the six lock screws from the back of the top cabinet. Slide the top cabinet backward and detach it.
2. Remove the three lock screws from the front panel. Undo the three hooks at the top and the four hooks at the bottom, and detach the front panel.
3. Remove the two hexagonal shafts from the front shield. Undo the two hooks on both sides and detach the front shield.
4. Remove the three lock screws from the front unit and detach this unit.
5. Remove the one lock screw from the LED unit and detach this unit.
6. Remove the PC I/F unit and SR connect unit assemblies.
 6-1. Remove the two hexagonal shafts each from the system cable (white) terminal and the RS-232C terminal, both on the PC I/F unit.
 6-2. Remove the two lock nuts from the control terminal on the SR connect unit, and the two lock screws from the system cable (gray) terminal also on the SR connect unit.
 6-3. Remove the two lock screws from the PC I/F unit bracket.
 6-4. Remove the four lock screws from the PC I/F unit and SR connect unit assemblies. Take out these assemblies.
 6-5. Remove the three lock screws from the brackets of the PC I/F unit and SR connect unit assemblies. Detach the shield.
 6-6. Remove the six lock screws from the PC I/F unit. Detach this unit from the bracket.
 6-7. Remove the two lock screws from the SR connect unit. Detach this unit from the bracket.
7. Remove the seven lock screws from the main unit and detach this unit.
8. Remove the AV unit.
 8-1. Remove the six lock screws from the AV unit.
 8-2. Remove the six lock screws from the AV unit and detach this unit.
9. Remove the EMC unit assemblies.
 9-1. Remove the two lock screws from the EMC unit bracket.
 9-2. Remove the two lock screws from the EMC unit and detach this unit.
10. Remove the three lock screws from the power unit and detach this unit.



SERVICE JIGS	
Extension Cable (30-Pin)	QCNW-6099CEZZ
Extension Cable (50-Pin)	QCNW-6100CEZZ
Extension Cable (4-Pin)	QCNW-6101CEZZ
Extension Cable (13-Pin)	QCNW-6102CEZZ
Extension Cable (12-Pin)	QCNW-6103CEZZ

7.2 EXPLANATION

7.2.1 IC DESCRIPTIONS

- **Description of Functions of Main ICs on PC I/F Unit**

- **IC4 (CXA3506R)**
 This IC is an A/D converter that incorporates a 3-channel, 8-bit, 120 MSPS amplifier and PLL. It is used for the video signals input to the I/F board on the main channel in the 1-screen and 2-screen modes, and also for the video signals input from the front for the PC.
 The video signals (analog RGB) from the CN6 are input to IN1 of IC4.
 For the PC, the video signals (analog RGB) from CN8 are input to IN2 of IC4.
 The input video signals are converted into digital signals and then sent to IC25.

- **IC310 (TLC5733A)**
 This IC is a 3-channel, 8-bit, 20 MSPS A/D converter.
 It is used for the sub-channel of the video signals input to the I/F board in the 2-screen mode.
 The video signals (analog YCbCr) from CN6 are input to IC310.
 The video signals input to this IC are converted into digital signals and then sent to IC25.

- **IC25 (IX3434CE)**
 This IC performs the I/P conversion and scaling to match the digitalized video with the output resolution, and also the data conversion.
 It has two input lines, V0 and V1. The V0 line is used to process the RGB, composite, and skirt signals input to the 480i and 580i components for the sub-channel in the 2-screen mode. The V1 line is used to process all the signals as well as V1 for the main channel in the 1-screen and 2-screen modes.
 The IC25 detects what resolution is input from the input synchronizing signal; creates H synchronization in accordance with the frequency division ratio; creates the clamp signal in accordance with the input synchronizing signal; and performs the data matrix conversion.
 The video signals input to this IC is sent to IC413.

- **IC413 (SiI168)**
 This IC is a panel link transmitter.
 It converts the 8-bit RGB video data output from IC25 into the differential TMDS signals and then digitally transmits the converted signals to the monitor.
 The TMDS signals are transmitted at the frequency 10 times higher than the clock frequency.

- **IC1 (IX3270CE)**
 This IC is a 1-chip RISC microprocessor.
 It performs communication with the monitor and operates the system.
 The IC1 also controls each IC in the media receiver and partially manages the power source.

- **IC405 (uPD4721)**
 This IC is an RS-232 line driver receiver conforming to the EIA/TIA-232-E standard.
 The IC405, when connected to a PC, allows for externally controlling the system.
 It is also applicable for upgrading IC1.

- **Description of Main ICs on Company P's PDP Destined for Europe**

- **IC1301 (CXA2069Q)**
 This IC is a 7-input, 3-output selector.
 The video signals other than those for the PC and components, which have been input from each input connector and the tuner, and all the audio signals are sent to the IC1301 and then selected.
 Output 1 is used internally and output 3 in the monitor output.
 When the S video input is output to the monitor, Y and C signals are mixed in this IC.
 The video signals sent to the IC1301 are then input to the YC separation circuits, IC405 (main) and IC402 (sub).
 The audio signals are input to the I/F board via IC2501 (sound processor).

- **IC1401 (MM1519XQ)**
 This IC is a 4-input, 8-output video selector for component input.
 The AV3 component input, AV1, RGB input, and Teletext RGB signals are input to the IC1401. The output signals go to the main, sub, and component channels.

- **IC1601 (SDA5550M).**
 This IC is a microcomputer for Teletext.
 Video signals are input to the IC1601, which then decodes the Teletex data and outputs it as RGB data.

- **IC2501 (IX3371CE)**
 This IC is used to decode audio signals.
 It serves as both the S IF decoder and the selector for the input audio data.

- **IC801/IC802 (TB1274AF)**
 This IC synchronizes video and chroma signals for PAL/NTSC/SECAM color televisions.
 Its video circuit includes a high-performance image quality compensation circuit and its chroma circuit a PAL/NTSC/SECAM automatic selection circuit. The M/N-PAL clock signals at 4.43 and 8.58 MHz are internally generated for color demodulation.
 The PAL/SECAM demodulation circuit uses a base band signal processing system with built-in IH DL and is therefore adjustment-free.
 The IC801/IC802 has 4 lines for YC signal input, 2 lines for RGB signal input, and 2 lines for color difference signal input. It receives color different signals for the main and sub channels from IC405 (main), IC402 (sub), and IC1401 in the former stage, and provides 1 line for color difference signal output.

- **IC803 (CXA2101Q)**
 This IC consists of a base band signal processing section for color different input, an RGB signal processing section, and a 4-line video switch (including HV synchronizing signal processing).
 Input selection is performed by INPUT-SEL (HC BUS). YcbCx, HD YphPr, GBR and their respective HV synchronizing signals are input to each line.
 As the multi-scanning compliance range, a horizontal scanning frequency of 15~60 kHz can be input.

- **IC1901 (IX3566CE)**
 This IC is FPGA for the synchronizing system.
 It creates sand castle pulses for IC803 and generates horizontal blanking signals.
- **IC604 (TA1318N)**
 This IC synchronizes TV component signals.
 The IC804 incorporates the necessary functions for measuring the frequency of input signals and synchronous replay into a single chip, and is applicable for horizontal synchronous replay (15.75, 31.5, 33.75, and 45 kHz) and vertical synchronous replay (525I, 525P, 625I, 750P, 1125I, 1125P, PAL 100 Hz, and NTSC 120 Hz).

- **IC405/IC402 (CXD2064Q)**
 This IC is a comb filter in the applicable field for both the NTSC and PAL systems. It performs the Y/C separation of the main and sub channel video signals that have been output from IC1801.

- **IC407/IC404 (ML6428C1)**
 This IC is a 6.7 MHz low-pass filter.

- **IC810/IC804 (IX3473CE)**
 This IC is a 6.7 MHz low-pass filter incorporating a 6 dB amplifier.

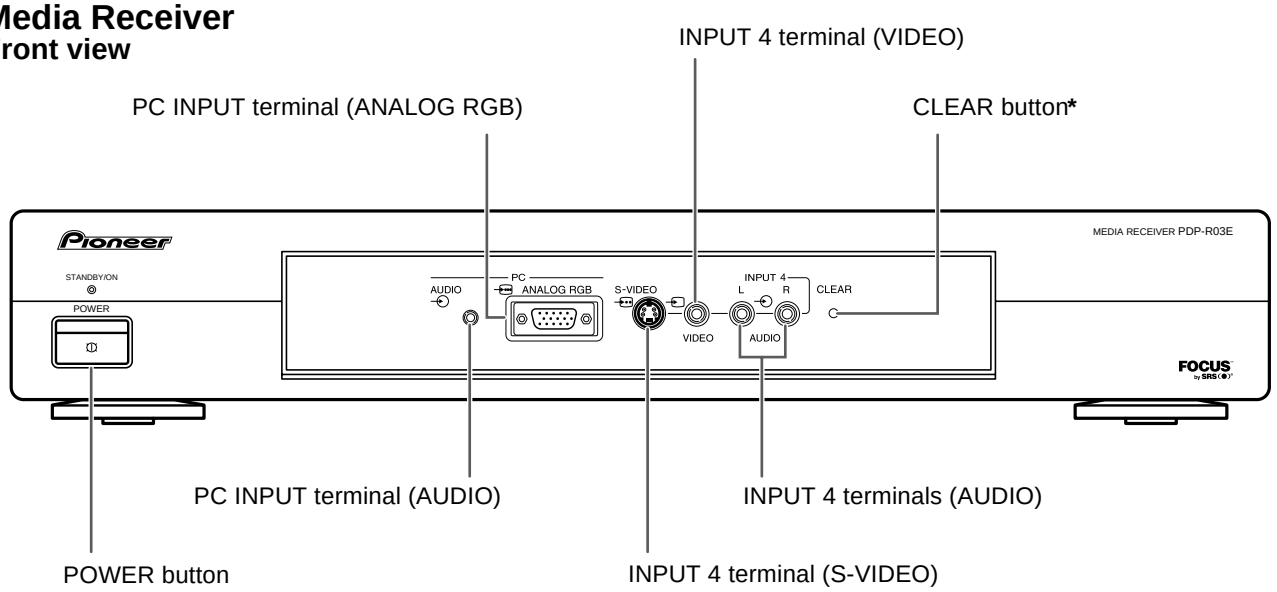
- **IC811 (IX3474CE)**
 This IC is a 80 MHz low-pass filter incorporating a 6 dB amplifier.

8. PANEL FACILITIES AND SPECIFICATIONS

8.1 PANEL FACILITIES

Media Receiver

Front view



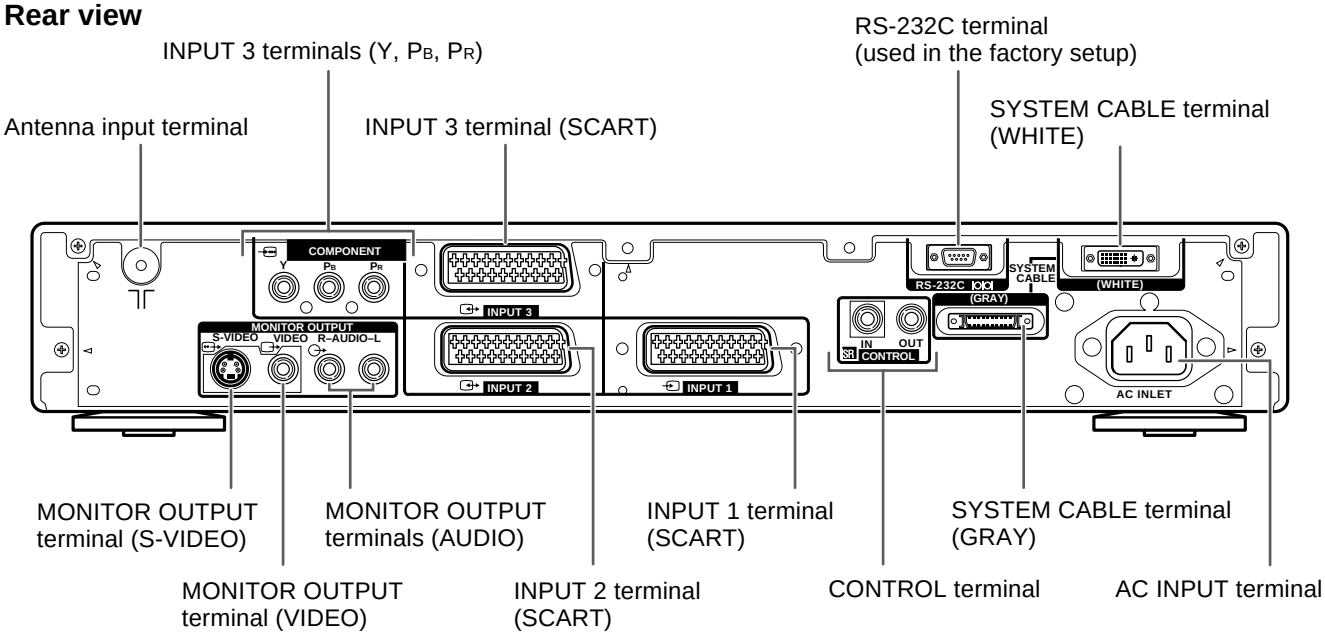
If you're having problems operating the Media Receiver and want to return to normal screen, even when it stays on (the indicator lights green), press **CLEAR** on the Media Receiver. Pressing **CLEAR** resets the System as shown below.

- AV SELECTION resets to STANDARD
- TV channel resets to channel 1
- Multiscreen resets to normal
- Audio setting initialises
- SRS resets to Off.
- Image position is initialises

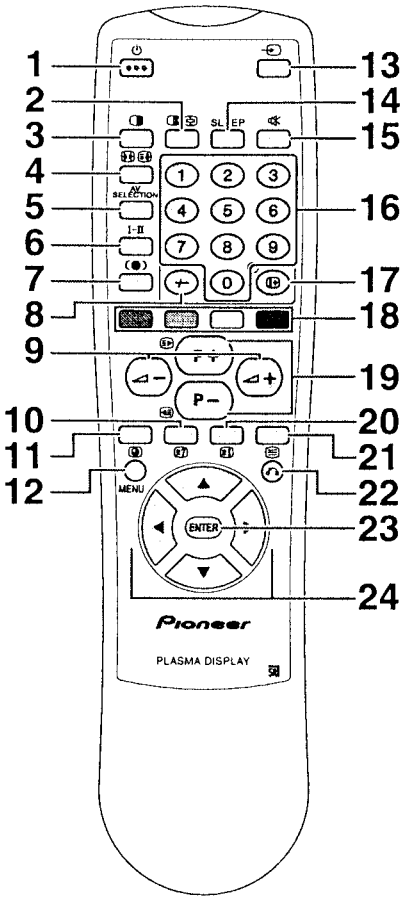
NOTE

- Pressing **CLEAR** will not work if the System is in standby mode but the indicator lights red.
- Pressing **CLEAR** will not delete channel preset or password. See initialising factory preset settings when you know your password. See initialising factory preset values when you have forgotten your password.

Rear view



Remote control unit



NOTE

- When using the remote control unit, point it at the Plasma Display.

1 ⏻
Switch off the power.

2
TV/External input mode: Change the still image mode.
TELETEXT mode: Freeze a multi-page on screen while other pages are automatically updated. Press again to return to the normal image.

3
Set the dual picture mode. Press again to return to the normal image.

4
TV/External input mode: Change the wide image mode.
TELETEXT mode: Setting the area of magnification. (full/upper half/lower half)

5 **AV SELECTION**
Select an audio or video setting. (AV MODE: STANDARD, DYNAMIC, MOVIE, GAME, USER), (PC MODE: STANDARD, USER)

6 **I-II**
Set the sound multiplex mode.

7 **(●)**
Set SRS, FOCUS Sound System.

8 **-/--**
Select the two digit mode.

9 **–/+**
Set the volume.

10
TELETEXT mode: Display hidden characters.

11
TELETEXT mode: Change the picture mode for sub-page selecting.

12 **MENU**
Display the Menu screen.

13
Select an input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, PC)

14 **SLEEP**
Set the OFF timer.

15
Mute the sound.

16 **0 – 9**
Switch on the power.
TV/External input mode: Set the channel information.
TELETEXT mode: Set the page.

17
Display the channel information.

18 **Colour (RED/GREEN/YELLOW/BLUE)**
TELETEXT mode: Select the page.

19 **P+/P–**
TV/External input mode: Select the channel.
TELETEXT mode: Select the page.

20
TELETEXT mode: Display an index page for CEEFAX/FLOF information. TOP OVER VIEW for TOP programme.

21
Select the TELETEXT mode. (all TV image, all TEXT image, TV/TEXT image)

22
MENU mode: Return to the previous menu screen.

23 **ENTER**
Execute a command.

24 **▲/▼/◀/▶**
Select a desired item on the setting screen.
Move the picture on the screen.

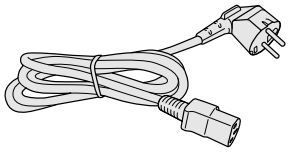
8.2 SPECIFICATIONS

Item			Media Receiver, Model:PDP-R03E
Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function	Receiving System		B/G, D/K, I, L/L'
	Tuner	VHF/UHF	E2–E69ch, F2–F10ch, I21–I69ch, IR A–IR Jch
		CATV	Hyper-band, S1–S41ch
	Auto Channel Preset		99 ch, Auto Preset, Auto Label, Auto Sort
	STEREO		NICAM/A2
Terminals	Rear	INPUT 1	SCART (AV in, RGB in, TV out)
		INPUT 2	SCART (AV in/out, S-VIDEO in, AV Link)
		INPUT 3	SCART (AV in/out, S-VIDEO in, RGB in), Component
		Antenna	75Ω Din Type for VHF/UHF in
	Front	INPUT 4	S-VIDEO, AV in
		PC	15 Pin mini D-Sub, Audio in
Monitor Out Terminal		Rear	Audio (Variable, Fixed), S-VIDEO out, AV out
Power Requirement			AC 220–240 V, 50/60 Hz, 40 W (0.8 W Standby)
Dimensions			420 (W), 70 (H), 330 (D) mm
Weight			4.4 kg
Accessories			Power Cord, Remote control unit, Two AA size batteries, System Cable, Two Operating Instructions

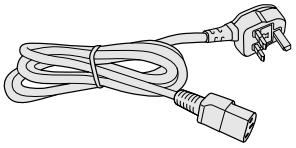
• Design and specifications are subject to change without notice.

● **Accessories**

Power cord (QACCBA005WJZZ, QACCVA002WJZZ)



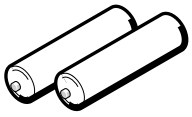
(For Europe, except U.K. and Eire)



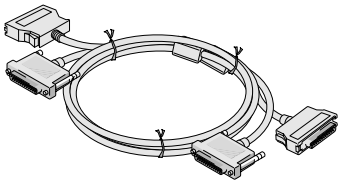
(For U.K., and Eire)



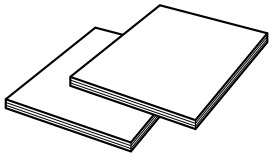
Remote control unit
(RRMCG1677CESA)



Two AA size batteries
(Alkaline battery)



System cable
(QCNW-6085CEZZ)



Two operating instructions
(TINS-7495CEZZ, TINS-7597CEZZ)